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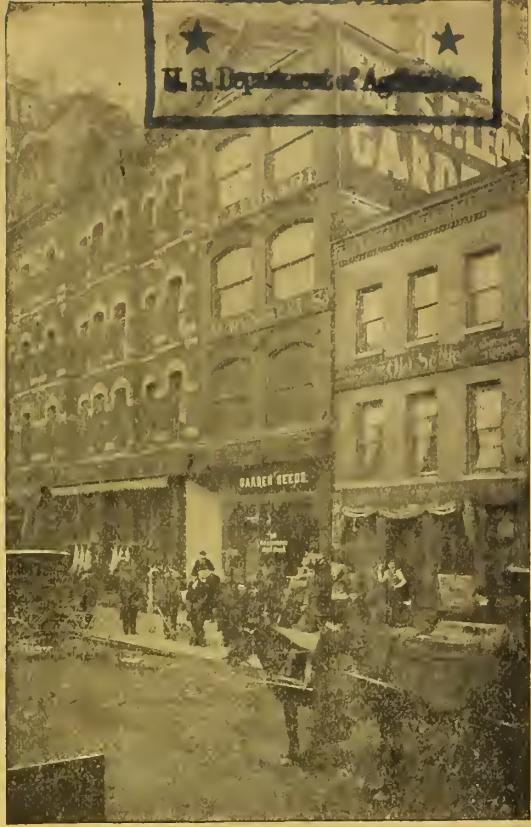
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S. F. Leonard

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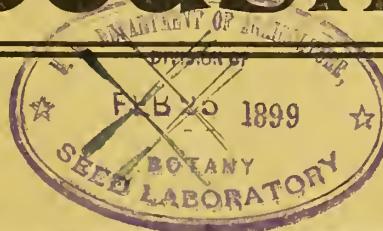
U. S. Department of Agriculture



RETAIL: 143 W. Randolph St.

Seedsman

Address all Mail
P. O. Station "D"



CHICAGO



WHOLESALE: Western Ave. and Flournoy St.

Explanatory Paragraphs.

Our Index.

It is unnecessary to have an alphabetical index page in our catalogue. Each page is important. From page 1 up to page 9 interesting matter and descriptions of our important specialties will be found. The standard varieties of the vegetable seeds are arranged alphabetically in their order beginning at page 10. Bulk list pages, 62 and 63. Farm seeds, 64 to 75. Small Fruits, Hardy Shrubs, Roses, etc., 76 to 84. General list of flower seeds, 85 to 101. Fertilizers, Seed Drills, Tools, etc., 102 to 112. Vegetable Plants on inside page of back cover.



Cabbages are bringing good prices on our markets just now, and Leonard's customers are reaping the profits. Cabbage seed bought from us always pans out the best, somehow. It is likely, too, that former growers of cabbages will become interested in seed next spring. We desire to refer all such to the cabbage seed pages of our catalogue. Our special strain of the famous Holland Cabbage is far and away ahead of any other stock we know of. Our Faultless Cabbage is another stock that is unapproached. The same may be said of our Luxemburg, Premium Flat Dutch, Bridgeport Drumhead, etc. Our great specialty is the **market garden trade**. Reliable Vegetable Seeds, safe and satisfactory, at the most reasonable prices. Nobody on earth can excel us in this branch of the seed business. **If you are a Gardener write for special prices on what you need.**



Onion Seed Prices have advanced this year as a consequence of crop failures in some places, and a decreased acreage set out for seed, owing to the high price of onions last spring. This is a good thing all around, and intelligent onion growers will reap the benefit next fall. Keep right on planting your regular quantity. Don't let the advanced price of seed scare you. Our prices are low, considering the conditions. The quality of our onion stocks are just what we say they are. Do not let the fellows who have inferior stocks fool you. Especially remember that the **Pale Colored Red Globe** will have to be sent out by many this year for what they call Large Red Globe, if their prices are "too low." This highly important variety, that is to say, the genuine dark colored Large Red Globe, can not possibly be sold for a low price this year. **Be certain about this stock this year before you buy it.** Write for our prices as a basis. We have it because we grew it ourselves. **It is your right, as an onion grower, to have our special low prices on any quantity of onion seed you may need**, and we are making special efforts to get reliable onion stocks into the hands of every onion grower. Our prices on **2 lb. lots, 5 lb. lots, 10 lb. lots, 25 lb. lots and 100 lb. lots** of Yellow Danvers, Large Red Wethersfield, Yellow Globe Danvers, and all other standard varieties, will surprise you, and will show up the absurdity of the claims of those who pretend to compete with us in price for honest onion seed. **Write for our prices.**



Beans and Sweet Corn are also higher in price than last year. This shows a beginning of good times for the gardener. People who in ordinarily good times allowed their corn and bean crops to mature and make seed, became disgusted the last year or two with the low prices at which their seed beans and seed sweet corn had to be sold, and instead of sticking to their seed growing business they flopped over and filled our markets with green beans and green corn in the hope of getting more money for their labors. This is the main reason why prices for the products of the garden have been so low the past few years. **All gardeners now** that in the times when seed prices were higher their profit for growing green stuff was double what it is now. The old times are coming back, in a measure at least; so do not kick at higher seed prices. Fall right in with the procession and be on hand at the dividing of the profits.



With the exceptions above noted, seed crops generally have been good, and we have never been in a better position to meet the wants of the planter in the way of good seeds at reasonable prices. We can and will meet all prices made by anyone offering goods of equal value with ours, but we have no ambition to compete with those who offer inferior grades.

ORDER SHEET

PLEASE USE THIS SHEET
WHEN ORDERING

S. F. Leonard's Market Garden Seeds

FOR

OFFICES AND WHOLESALE WAREHOUSES:

Western Ave., Harrison & Flournoy Sts.

RETAIL STORE AND MARKET GARDENER'S BRANCH :
P. O. Station "D",
143 West Randolph Street.

WRITE DISTINCTLY.

Your Name.....

Date..... 189.....

Postoffice.....

Amount Enclosed, \$.....

County.....

If you wish to write us for
information or prices, please
do not use this Order Sheet

State.....

Express or Freight Office
(if different from P. O.)

Our prices include postage or expressage on packets, ounces, pounds, pints and quarts
of vegetable and flower seeds, also on bulbs and plants, except where otherwise noted; but
purchaser must positively pay all charges on pecks and bushels.

QUANTITY

ARTICLES

PRICE

Please do not write here.

QUANTITY

ARTICLES

PRICE

Brought forward,

YOU WILL GREATLY OBLIGE US IF YOU WILL WRITE HERE THE NAMES OF MARKET
GARDENERS AND FRIENDS WHO WOULD BE LIKELY TO BUY SEEDS.

NAME

POSTOFFICE

COUNTY

STATE



We take pleasure in handing you here-with our Catalogue for 1899. The varieties listed are those that will give satisfactory results. The illustrations and descriptions are as near right as they can be made. Our prices will be found low. In regard to the quality of our supplies, our best argument is the constantly increasing demand for Leonard's Seeds. Our aim has been to establish a seed house noted for reliability, and at the present time

no house in the trade bears a better name, and no brands of seed are considered more safe or satisfactory than those offered under our trade mark.



PRIVATE OFFICE.

The catalogues of other seedsmen will probably reach you by the time you get this one. This will give you an opportunity to compare them with ours. You will undoubtedly get copies of the bombastic sort—wherein exaggeration and cunningly worded absurdities are relied upon to catch your orders. It is safe to go slow when reading about the wonderful claims made for this and that variety offered in them. Just a little good horse sense used deliberately will be all that is necessary to convince you that we or others who publish the conservative seed catalogue are the most likely to serve you best in the matter of honest seeds.



VIEW OF GENERAL OFFICES.

SEEDS ARE GUARANTEED to arrive safe and in good condition, due care having been given to observe faithfully the previous and following suggestions, in all cases where the order is accompanied by the necessary remittances.

WE PAY POSTAGE AND EXPRESSAGE, except where noted otherwise, on all seeds ordered by the packet, ounce or pound, pint and quart, but positively not by the peck or bushel.

NAME AND ADDRESS should be written as plainly as possible, and care exercised to have place of residence, county and state in full, giving all shipping directions. This is imperative and of vital importance, as we frequently receive orders and letters desiring information, etc., without any signature, or wanting in some other particulars, to which, of course, we are unable to respond. Thus what may sometimes appear to be negligence or error on our part is very often due wholly to lack of care on the part of our customers.

WHOLESALE:
Western Ave. and Flournoy St.

SIMEON F. LEONARD,

Station D, Chicago, Ill.

RETAIL:
143 West Randolph Street.

Instructions to Purchasers...

TERMS OF SALE. Cash must be sent with the order. This can be done either in the form of a Money Order, Bank Draft, Express Order, Registered Letter, or cash may be sent by express. Postage stamps for small amounts received same as cash. Remittances in any other way are entirely at sender's risk.

WHEN TO ORDER. We are prepared to fill your orders as soon as this catalogue reaches you, so please order early.

ABOUT FORWARDING. Every order is executed at once upon its receipt, or a reason given why it has not been sent, so that parties ordering may know that if goods are not received in proper time, it is almost certain that the letter has not been received by us.

THE LARGEST GARDEN SEED WAREHOUSE IN CHICAGO.

It is well for a merchant to occasionally call the attention of his customers to his business in order that they may be enabled to give reasons when asked why they buy from him in preference to others in his line.

We may therefore say this:

Leonard's Seed House carries a larger stock of Garden Seeds than any other in Chicago. Leonard's seed sales to Chicago market gardeners are more than the combined sales of all others who cater to that critical trade. Leonard's garden seed sales in bulk outside of Chicago are not exceeded by any of the American seed houses save two. The unprecedented growth which has given the business its present proportions goes steadily on, and this fact gives the best proof that Leonard's seeds meet the requirements of those who plant them. Continued growth is the sign of a healthy organization.

The photographic views given here will undoubtedly prove of interest.



PUTTING SEEDS IN PACKAGES.

The third view shows a section of our mail order room. This is a very important branch of our business; small orders come from all parts of this and foreign countries and get the careful attention of skilled people immediately upon arrival and are filled and hastened away to their destination by mail. The fourth view on this page shows a well filled corner of a garden seed storage room. Our Western avenue warehouse gives us 60,000 square feet of similar storage, and at the beginning of our busy season this vast space is filled to its full capacity.

There are many other interesting departments of our business which might be shown such as our milling room, where seeds that we grow on our own farm are cleaned and put in proper shape for selling, and where the stocks received from our growers are re-cleaned when it is thought necessary; our pea and bean picking room where machines for this purpose are in operation; our market gardeners' and retail store at 143 West Randolph street, and views of our farm, where we often employ one hundred or more people during the early spring, summer and autumn months. Space will not permit the use of these views here, but visitors are welcome at all times, and our customers are invited to call on us whenever in Chicago and inspect our establishment.

BULK ORDER ROOM.

The first one shows our Bulk Order Room. It was taken in the dull season of the year and shows off but poorly compared with the immense activity of that room in the busy season. Seedsmen have no time to have their pictures taken in the spring. The second view shows in a measure the manner in which the small packages of seeds are put up. For this work young women prove of great value; in the busy season many times the number of them shown in the photo are employed. We also use one of the wonderful bag filling machines for the purpose of putting up seed in packages, several millions of which are needed for our increasing trade. On the front page of the cover of our catalogue outside views of our Western Avenue warehouse and our West Randolph store are given. We desire here to call your attention to them also.



SECTION OF MAIL ORDER ROOM.



SECTION OF GARDEN SEED STORAGE ROOM.

Our reputation has been built up by furnishing seeds of the best quality as to purity and germination, and we shall always endeavor to furnish the best seeds that can be procured, and make prices as reasonable as possible.

Our reputation has been built up by furnishing seeds of the best quality as to purity and germination, and we shall always endeavor to furnish the best seeds that can be procured, and make prices as reasonable as possible.



FIELD OF LEONARD'S YELLOW GLOBE ONION SEED.

Our local gardeners know the quality we maintain on these special stocks. They see them growing each year, and the satisfaction which these stocks have given in our local trade has induced us to increase the acreage from time to time, and we are thus enabled to offer these specialties to the growers of other sections as well as to our home gardeners. The quantity of course is limited and the price of necessity higher than for stocks not grown by ourselves. The description and prices of these special stocks will be found on the pages given to their respective kinds in the body of the Catalogue.

It is doubtful if any other seedsmen have better or as good opportunities as we of gaining practical knowledge of the importance of good seeds to the planter. The varied requirements of the market gardeners of so great a city as Chicago offers a field unsurpassed for this purpose. That we have taken advantage of it is shown by the confidence placed in the seeds we sell by the planters who should best know whether we meet the requirements or not, namely, the many market gardeners of Chicago.

We would call the attention of market gardeners and others who have not as yet planted Leonard's seed to the facts given above. It is easy to see that we are in the best possible position as seedsmen to sell the best seeds obtainable and at the most reasonable prices.

Special Stocks OF OUR OWN GROWING.

We are often asked if we grow all the seed we sell. It would be as easy for the large dry-goods merchants of Chicago to manufacture all the different lines of cotton, linen, silk, woolen and other goods which they sell, both of foreign and domestic make, as for a large seedsman to grow all the different kinds of seed which are needed for the vast requirements of his business.

We do not grow all the seeds we sell. It is impossible. Our seeds are grown in all parts of the world, by men of experience who make it a business of growing the kind of seed which their particular location and climate will best produce.

We do grow, however, on our own farms special kinds of seed which can be grown to good advantage in this vicinity. We also grow what is known as Stock Seed of many of the important varieties. This stock seed is sent to our growers to produce our general supply of these kinds, and in this way we keep up the standard so necessary in seed growing.

THE MOST IMPORTANT seeds of our own growing are Leonard's Yellow Globe Onion, Red Globe Onion, Yellow Cracker Onion, Warty Hubbard Squash, Leonard's Egyptian Beet, etc.



ONION SET STORAGE ROOM—ONE AISLE.

If you are a market gardener you should write for one of our special price lists to market gardeners.

ONION SETS.

In many parts of the country, more particularly the southern and south-western states, onion sets are among the most important of the seedsman's wares. Many thousand bushels are needed to supply the demand. The extent of the trade we have in onion sets may be gathered from the two photographic views here given. The distance down the aisle, as shown in the first view, is 250 feet; and the width of the room, as shown in the second view, is 125 feet. Each crate contains two bushels of onion sets, and the average pile contains 18 crates. Without a doubt we handle more onion sets than any other seedsman in the world, and we grow the most of them ourselves.

Do not hesitate to write if you want information.

All your inquiries will have our careful attention.

We cannot tell everything about seeds and tools here.



ONION SET STORAGE ROOM—TOP OF CRATES.



LEONARD'S YELLOW GLOBE ONION.

it is good. To such we would say: The seed here offered is worthy of investigation if a good thing is wanted.

Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 75c, lb. \$2.10 postpaid.

By Express:

5 lbs. \$10.00, 10 lbs. \$19.00, 25 lbs. \$46.25.

LEONARD'S WHITE GLOBE ONION.

White Onions, when successfully grown, are by all means the handsomest, and will usually bring more money per bushel than either of the other colors. It is harder to grow them to perfection than it is to grow yellow or red, because they will not stand adverse conditions of weather and other drawbacks so well. Many growers, however, have mastered the art of growing good crops of whites, and the better prices realized for them is quite an inducement for continued effort by those who have not been so successful.

Good seed is one of the important essentials in growing this Onion successfully, and in our strain of White Globe all will find seed that cannot be surpassed for making a sure crop for marketing, a paving crop for bunching, or a bountiful crop when sown for sets or for pickling onions. This is our specially selected strain; none has ever proved better. You get the best when you buy this.

Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 75c, lb. \$2.10 postpaid.

By Express or Freight:

5 lbs. \$10.00, 10 lbs. \$19.00, 25 lbs. \$46.25.



LEONARD'S WHITE GLOBE ONION.

Leonard's Yellow Globe Onion.

This Onion is our prize yellow market variety. It is the most uniform as to size, the most productive, the best keeping and the handsomest yellow-skinned Globe variety we have ever known. It has taken years of patient effort to bring it to its present perfection, and to keep up the standard of excellence requires extreme care in the selection of bulbs to set out for seeding when the time for that event occurs each year.

It may be safely said that the bulbs we now have on hand of this variety of Onion are undoubtedly as handsome and uniform a lot of Yellow Globes for the quantity as can be found stored anywhere.

Many large onion growers from different sections of our country have seen them, and the expressions of praise for the beauty, uniform size and soundness of our Onions are testimonials of the highest value. We have harvested a fair crop of this seed this year. A view of one of our onion fields where it was grown is shown on preceding page. This Onion has the call on the Chicago market, and our home sales for seed of it are very large. Last season our supply became exhausted long before the plaiting season was over. We were offered as high as \$3.00 per lb. for seed of it by men who knew the Onion; and you will remember that onion seed was low in price last year. This year our supply is larger than it was last season, and we are prepared to meet in a measure the increasing demand for this splendid Onion.

Good growers of onions seldom allow a difference in price to keep them from buying good seed if they feel sure that

Leonard's Yellow Cracker Onion.

This splendid flat Yellow Extra Early Onion is very popular with the Chicago market gardeners. It is one of the earliest Onions we have, and the handsomest and best flat yellow in the list. Besides being early, it is one of the best keepers, being hard and sound when offered for sale on our markets late in the spring. We have at present, January 1st, 1899, in our store, bulbs that were harvested the first week of August, 1898, and the bulbs are as hard and solid as when harvested. Like our Leonard's Yellow Globe Onion, the seed we offer of this is from bulbs of our own selection. The improvement we have succeeded in making by selecting in this Onion makes our stock very superior, and all growers who want the Best Flat Yellow Onion, will find it in the strain here offered.

Postpaid —

Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, 1b. \$2.00.

By Express —

5 lbs. \$9.00, 10 lbs. \$17.50, 25 lbs. \$40.00.

LEONARD'S EXTRA EARLY YELLOW CRACKER ONION.

Leonard's Large Red Globe Onion.

This is another of our Onion specialties which merits especial prominence. The red varieties are the ones most popular in many of the large markets of the country, and growers, in order to realize the most from their labors, have to grow red as well as yellow, in good-sized quantities. Our strain of Large Red Globe is similar in size, shape and uniform excellence to our Leonard's Yellow Globe. We grow and select the bulbs of it for seeding with the same care, and have succeeded in securing a strain of large Red Globe which is a worthy companion to our famous Yellow Globe. In color our Red Globe has that deep, bright appearance so much sought for in a red variety, and if we could have onion-growers see the bulbs we have of this variety at present in our ware-house, little difficulty would be experienced in convincing them that such bulbs ought to produce seed they would want. Many growers have seen them, and as in the case of our Yellow Globe, were unstinted in their praise. This strain of Red Globe Onion is offered with the assurance that nothing has been left undone to make it what it should be, and that it possesses all the points which go to make up the ideal Red Globe Onion. True large Red Globe Onion seed is very scarce this season. Early ordering is the only sure way to secure seed of this valuable stock.

Postpaid —

Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 75c, 1b. \$2.50.

By Express or Freight —

5 lbs. \$11.25, 10 lbs. \$20.50, 25 lbs. \$50.00

BEST WINTER SQUASH.



LEONARD'S WARTY HUBBARD.



LEONARD'S RED GLOBE ONION.

Leonard's Warty Hubbard Squash.

This strain of the popular Hubbard is so much better than any other that we know of, and so satisfactory to all squash raisers who plant it, that we think it well to again call the especial attention of our customers to it. It was introduced by S. F. Leonard in 1894. It combines the fine points of the original strain with increased size, rougher, harder shell, improved quality, thicker flesh, finer color, stronger constitution. In short, it is unapproached as a winter squash and will undoubtedly stand for many years as the best type of the famous Hubbard. It is advisable also to state plainly that this is one of the scarce stocks this year, consequently headquarters seed will be in brisk demand. We are prepared to meet the ordinary requirements of our customers, provided too long delay is not made in stating their wants. This is an absolutely distinct stock; no other will answer just as well. Avoid disappointment by ordering in time. See also cut of this squash on page 57.

Postpaid —

Pkt. 5c, oz. 10c, $\frac{1}{2}$ lb. 25c, 1b. \$1.00.

By Express or Freight —

5 lbs. \$4.00, 10 lbs. \$7.50.

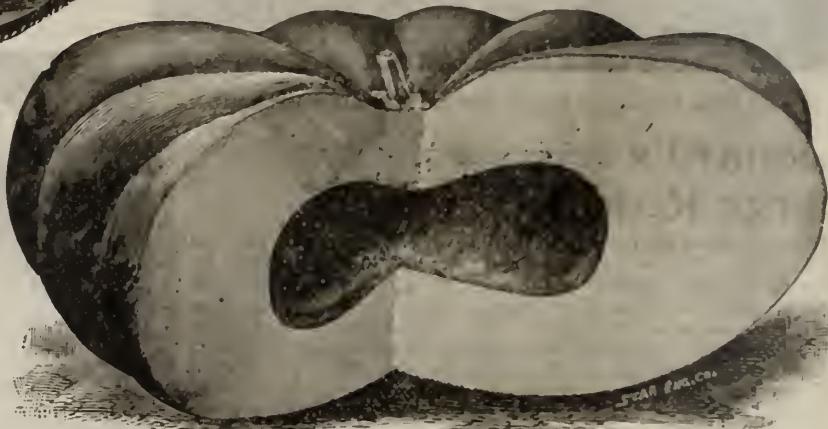


Rocky Ford Musk Melon

Thanksgiving Pumpkin.

Our illustration shows the distinct shape and the thickness of flesh peculiar to this new Pumpkin. We have had specimens to weigh fifty-five pounds and only have one and three-fourths ounces of seed in them; the flesh being in some places six inches thick. The average size is about the same as that of the large Cheese Pumpkin, making it just right size for retailing, but the flesh is fully twice as thick. On account of this extra thickness of flesh, the yield in pounds is double that of other kinds, as the fruit is produced in as great abundance, if not more. The flesh is orange in color, of fine grain, sweet, and has the delicious pumpkin flavor essential to the making of a first-class pumpkin pie. The name "Thanksgiving" was suggested by the almost universal custom of having pumpkin pie at the Thanksgiving dinner.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.50.

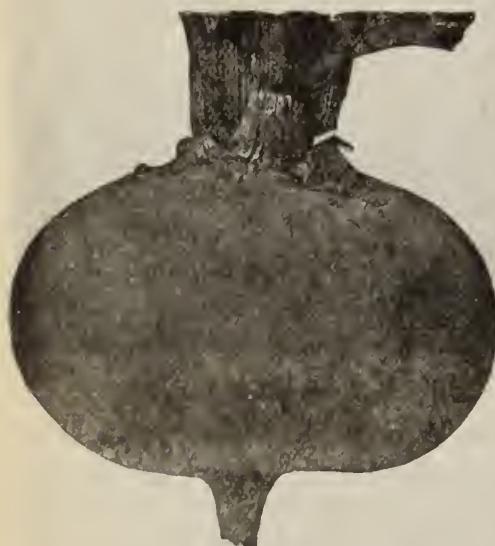


Thanksgiving Pumpkin.

Crosby's Egyptian Beet.

A selection from that old market Beet, Early Egyptian, which retains the earliness of the parent stock, and has added thickness, giving it a more desirable shape. It is the deepest red, almost black in color, and is of finer quality than the Egyptian, being sweeter and even more tender and smoother. A very desirable sort for small beets, for early market, as it is in presentable market shape quicker than any variety, except Leonard's Egyptian. It is a very rapid grower, and can be sown outside as late as July.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 60c.



Crosby's Egyptian Beet.

Beet. The illustration is a fair representation of the form of this Beet. We might have a beautiful photographic half-tone picture, which would show it up to better advantage, but this illustration of this Beet has appeared in all our catalogues since we introduced it, and will answer our purpose now, which is simply to keep before our gardener friends the importance and superior merit of this Beet for early market use. The Beets grow very uniform as to size. The shape is perfect, and the color exceedingly dark.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 60c.



Leonard's Extra Early Egyptian Beet.

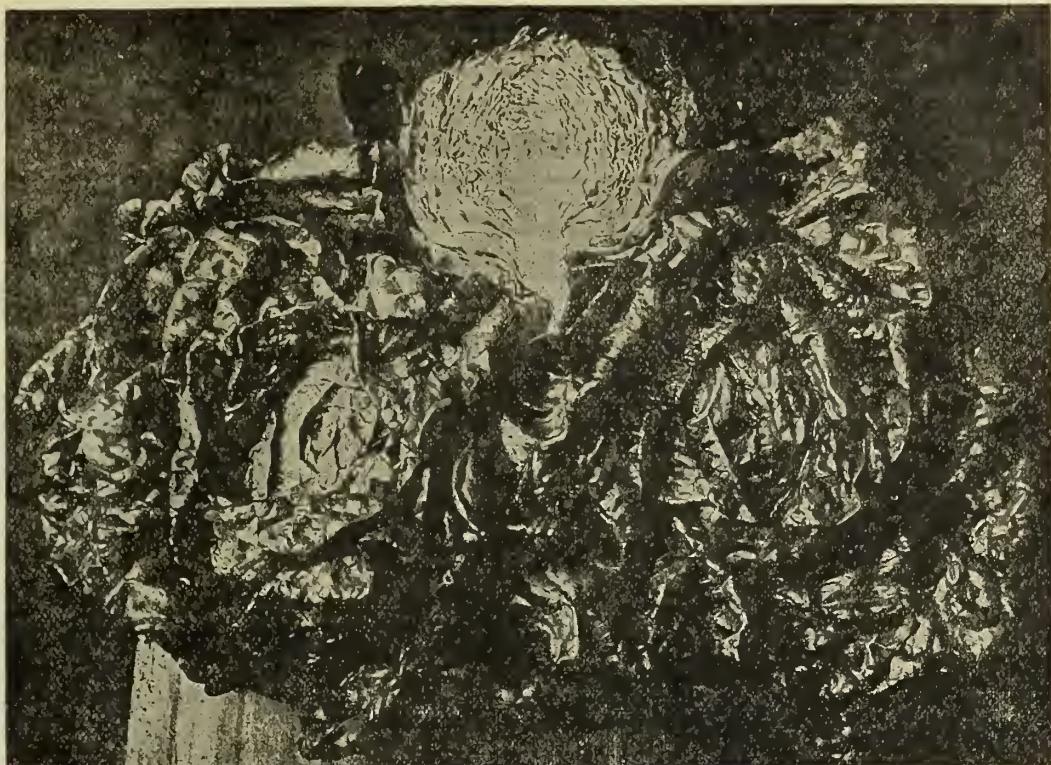
Leonard's Extra Early Egyptian Beet.

This is the earliest and best bunching Beet for market gardeners. It has been grown for the past nine years by the gardeners of Chicago, and now they will take no other for early bunching. It is a specially selected strain, grown by me for the past ten years, and is being improved each year, and is superior to any other strain of Egyptian

IMPROVED CHARTIER HEAD LETTUCE

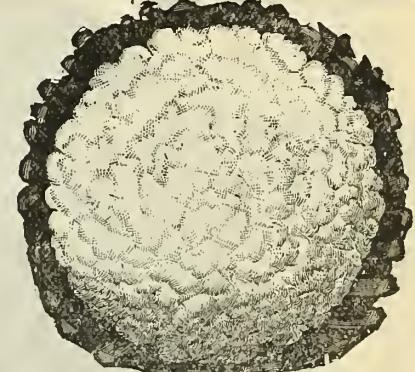
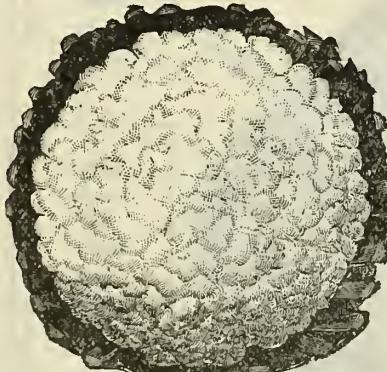
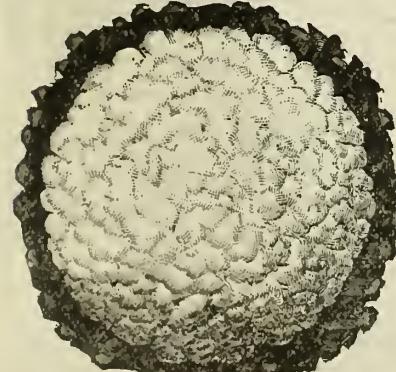
Makes
the
Largest
Head
of
any
Lettuce
in
the
List.

Makes
the
Hardest
Head
of
any
Lettuce
in
the
List.



The above illustration shows a strain of lettuce which has been asked for many times during the past two years. It appeared on the Chicago markets from outside shippers and brought more money than any variety that our local growers could produce at the time of the year. This annoyed many of our growers and they hastened over from South Water St. to ask us for seed of that head lettuce that was *as hard as a rock* and *as big as a cabbage*. They got the seed asked for and have since expressed their thanks for it. Our friends will remember that this lettuce was one of a collection of vegetable specialties upon which we offered cash prizes in 1889. The merit of this Head Lettuce has never been fully appreciated, and in order to get it where it should be we again call special attention to it. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

LEONARD'S STRAIN EARLY SNOWBALL CAULIFLOWER.



An Important Announcement.

On page 19 will be found the original introductory description and illustration of this splendid strain of Cauliflower. It is thought best to leave it just as it appeared in our last year's catalogue so that cauliflower growers who may not yet be aware of the value of this strain of seed can have opportunity to begin at the beginning should they desire to investigate it. For 1890 we offer seed of this Cauliflower with even more confidence than we did in 1889. The past season in the vicinity of Chicago was a hard one on Cauliflower. To grow good Cauliflower in such unfavorable weather as we had taxed the effort of the gardeners and more particularly the quality of the seed. With our seed nearly all were successful notwithstanding the drawbacks. This strain of Snowball Cauliflower is a most important addition to our many market gardener's specialties.

Reports from our many gardener customers who plant Cauliflower Seed largely are at hand. These reports show that *Leonard's Strain of the Early Snowball Cauliflower* has given them every satisfaction. We find in this much that is gratifying, as it confirms our belief that our strain of this popular Cauliflower is unsurpassed. It also proves that the confidence placed upon our judgment by our customers last spring was not misplaced. We told them ours was as good a strain of Snowball Cauliflower as they or anyone else had ever planted, and so it has proved to be.

**Best for Early—Best for Late
AND IS THE SUREST
HEADER OF ALL.**

**Pkt. 15c, $\frac{1}{4}$ oz. 75c, $\frac{1}{2}$ oz. \$1.40,
oz. \$2.50, 4 OZS. \$9.00, lb. \$32.00**

Three Sample Testimonials.

"Your Snowball Cauliflower is all right, and I think there will be a larger demand than ever for it next spring."

MARTIN HOCKSTRA.

"The weather was bad and we had lots of trouble with the cut-worms but I made money on the Cauliflower I grew from your seed for all that."

W.M. HOFFMA.

"I am fully satisfied with your Cauliflower seed."

FRED. HINE.

Many pages of our catalogue could be filled with similar testimonials for this Cauliflower. The local reputation for excellence which this Cauliflower has attained after a four year's test is a sufficient proof of its merit.

If there are better Cauliflower growers in other places than we have about Chicago we are not aware of it. If there is a better strain of Snowball Cauliflower than this one our Cauliflower growers have failed to bring out the superior points of such a strain in any of their comparative tests.

"Agriculturally and industrially we have prospered in spite of the distraction of war. There are no reasons for doubting that 1899 will be more prosperous commercially than any year since 1892, or perhaps, than any year in our history."—New York Sun.

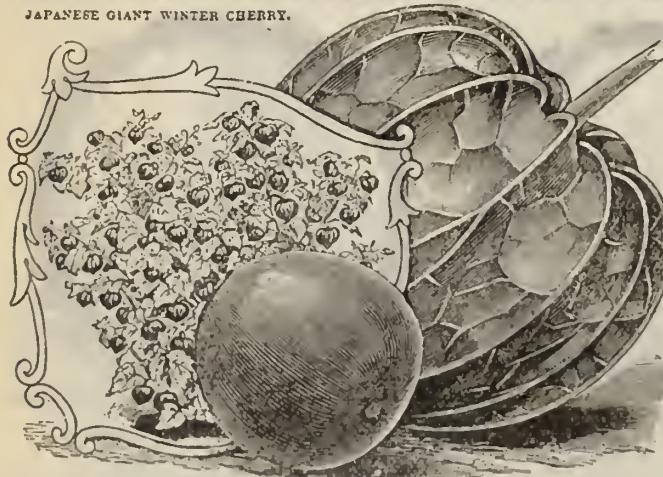
The Paul Rose Musk Melon. Last season we had to take the word of others for the merits of this splendid new shipping melon. This year we can speak from our own observations. We had a small patch of the Paul Rose on our Crawford Avenue trial grounds the past season. We find the melon worthy of all the claims made for it. In size it is all right for the basket mode of shipment. Notice the photographic illustration on page 37, and notice there also the thickness of the flesh and the small seed cavity. The quality of the Paul Rose is fully equal to the spicest Osage, sweeter if anything and less pulpy. In the patch it looks just like the Osage, except that the size is much smaller; it has Osage skin, Osage netting and Osage solidity. Planted 10 days after Osage we ate ripe melons from the Paul Rose on the same day as the first ripe melons were taken from our Osage patch. Don't miss the Paul Rose. Pkt. 5c, oz. 10c, 1/4 lb. 35c, 1 lb. \$1.25, postpaid.

New Pearl was produced by an accidental cross between White Strasburg and Wood's Early Frame. A prominent radish grower had planted out 100 roots each of Strasburg and Early frame, from which to grow his supply of seed for his own crop. They were planted too close together, and the cross mentioned above was the result. One radish only of the new sort was found, and it was of a pure white color and of a waxy appearance. Shape, between White Strasburg and Lady Finger. No other sort with which we are acquainted presents so beautiful an appearance when bunched. Since introduced three years ago, hundreds of gardeners have discarded all other white sorts. Pkt. 5c, oz. 10c, 1/4 lb. 30c, 1 lb. \$1.00.

Tomato. New Yellow Prince.—This elegant new Tomato completes the list of upright growing sorts—Dwarf Champion in Purples, Livingston's Aristocrat in reds, and the New Yellow Prince in yellows. Its rank and sturdy but compact growth, makes it very interesting to cultivate, and this, together with its beauty and usefulness, will delight every lover of a good garden.

Pkt. 5c, oz. 30c.

JAPANESE GIANT WINTER CHERRY.



New Japanese Giant Winter Cherry.

(PHYSALIS FRANCHETII.)

A remarkably showy annual of sturdy, erect branching habit, growing about 18 inches high. The branches are well covered with luxuriant, green foliage and studded with large, bright red cherry like fruits, each enclosed in an enormous balloon-like semi-transparent calyx, about 3 inches long by 7 to 8 inches in circumference, at first of light green color, gradually changing, as they mature, to yellow, then orange, and finally to crimson. It is a bold, handsome plant and gorgeously effective in the autumn garden, and equally as valuable when grown in pots for winter decoration in the house, or the colored balloon like vessels can be used to great advantage with winter bouquets of dried grasses. The fruit is edible for those who like it. Pkt. 10c, 3 for 25c.

Good Seeds will enable you to increase the product of your garden or farm. Advanced prices are expected in 1899 for all produce.

Leonard's Seeds are good seeds. By planting them you will have every chance of reaping the profit from increased product and advanced prices. Keep the fact in mind that no seed house in America can undersell us in the matter of good seeds.

Do Not Forget to write for special prices as spoken of on 2nd cover page of our catalogue and on opposite page. Notice also our liberal discounts on next page. Do not neglect to avail yourself of every offer we make, and thus get all the benefit of our **ROCK BOTTOM PRICES.**

Write for
our
Special
Prices on
Onion
Seed.

Notice
our
Holland
Cabbage,
page 22.

Read
About our
Discounts
next
page.

Always
Look
at
Bulk
List,
pages
62 and 63.
for
Bushel
price.

Notice
the Low
Prices
on our
Tools,
pages
103 to 112.

Transplanting Made Easy

BY USING

MASTERS'

LITTLE GIANT PLANT SETTER.



Masters' Plant Setter is built on scientific principles throughout. Its conical jaws are of heavy 18 gauge sheet steel. The body of the planter and the plant tube are of extra quality tinplate. The water valve and plug are of brass with rubber packing. The valve rod, trip spring and thumb button are also of brass, and the machine is put together with rivets and solder and nicely enamelled in two colors.

It weighs just four and one-half pounds when empty, and carries water or liquid fertilizer sufficient to set one to two hundred plants. It deposits every plant root securely in the cool, damp soil below the surface, and will set, water and cover all in one operation. The roots are thus set in nature's own way, and are not cramped nor pressed into crooked or unnatural shape.

When the ground is dry and dusty you cannot plant by hand, but by using our Plant Setter you can do your very best work in dry, dusty soil. We guarantee that one man with our machine will do more and better work in the same time than can be done by four men and boys in the old way, to say nothing of the tedious back ache by the old hand process. Thus you will understand how the cost of our planter can be saved on every acre you have to put out.

By using our machine you can set your plants just when they are of the proper size. A five or six-inch plant will handle better and stand the shock of transplanting better than either larger or smaller growths. You can count on each of our machines in the hand of a good, quick man to set, water and cover 6,000 to 7,000 plants per day without any special effort.

...For Your Benefit ..

We have concluded to employ no agents or canvassers, believing that the merits of our planter can be readily seen and appreciated by the growers of cabbage, tomato, etc.

So that the price of our plant setter comes within the reach of all, \$3.75 each, and when cash accompanies the order we will **prepay charges** to your nearest express office.

N. B. In clubs of six platters to one address we will ship same securely packed and crated to your nearest R. R. station, C. O. D., for \$3.35 each, or we will **prepay charges** to your station if cash accompanies the order.

See also page 105.

If You Have Read the Foregoing Pages Carefully

YOU WILL MORE FULLY APPRECIATE THE LIBERALITY OF THE OFFERS WE MAKE ON THIS PAGE.

Heretofore it has been the custom to restrict usual cash discounts to seeds in packets—*see heading of next page*—and in the case of seeds such as we offer and the large-sized packet we send out, our former offers have in reality been most liberal.

~~THIS YEAR, HOWEVER~~

We go further than ever in offering inducements to those who want only the best seeds, and include ounces as well as packets. **We also include ounces** of the specialties named in the front pages of this catalogue, and make no restrictions or reservations whatever. Everything priced by the packet or ounce, either in vegetable or flower seed, special or standard, may be included, and the benefit of the discounts which apply to the packet or to the ounce, as the case may be, is yours.

FOR DISCOUNTS ON PACKETS See next page.

In addition to the discounts on ounces which will be found below, we desire to again call your attention to the first inside cover page of this catalogue, where we give notice that our special prices for 2-pound lots and upwards of our standard varieties of **Onion Seed** are rightfully meant for the benefit of all onion-growers, large or small. In fact, since writing that page we have concluded to put our **Onion Specialties** described on pages 4 and 5 at special prices for **2 lb.**, **3 lb.** and **4 lb.** lots, giving the man who plants one acre a proportionate chance for reduced rates with the one who may plant two, ten or twenty acres. **WRITE FOR THESE SPECIAL PRICES.** It is needless to enlarge upon the exceptional merit of our specialties, or to again remind you that there is a great demand for them and a limited supply of them. Your own interest will doubtless prevail upon you to seek these stocks early. And now for our

DISCOUNT ON OUNCES.

We allow a discount of **25 per Cent.** from Catalogue prices on all seeds bought by the ounce.

Thus seeds in ounce packages at Catalogue rates

To the Value of \$1.00 will cost you only \$0.75
" " 2.00 " " 1.50
" " 4.00 " " 3.00
" " 6.00 " " 4.50
" " 8.00 " " 6.00
" " 10.00 " " 7.50

And so on.

In order to make our offers for this year more liberal than any heretofore made we will go still further, and include seeds by the **quarter of a pound** in these special discounts while we are at it. Ordinary gardens do not require more than the one-fourth pound quantity as a rule. This departure may be a loss to us, but it will be a gain to you, and in the long run will possibly be a gain to us, as it will undoubtedly induce you to increase your orders. At any rate we are willing to try the experiment, so here goes for

DISCOUNT ON QUARTER POUNDS.

We allow a discount of **15 per cent.** from Catalogue prices on all seeds bought by the quarter of a pound.

Thus seeds in quarter-pound packages at Catalogue rates

To the Value of \$1.00 will cost you only \$0.85
" " 2.00 " " 1.70
" " 3.00 " " 2.55
" " 5.00 " " 4.25

And so on.

To complete this matter of discount and to interest everyone, we have just concluded to round up at the **pound prices**. This discount on pounds will apply to vegetable seeds at Catalogue prices, regardless as to what part of the Catalogue they are taken from. Here is our

DISCOUNT ON POUNDS.

We allow a discount of **10 per cent.** from Catalogue prices on all vegetable seeds bought by the pound.



CHICAGO, U. S. A.

General List...

WE pay all Postage and Expressage on Seeds quoted by the package, ounce, one-fourth pound, and pound; also pints and quarts, and bulbs and plants, except when otherwise noted. But we positively do not pay charges on pecks or bushels.

SEEDS IN PACKETS LOWER THAN EVER.

Please Note Our Liberal Discounts.

YOU

CAN HAVE \$0.50	WORTH OF SEEDS IN PACKETS FOR \$0.40
CAN HAVE \$1.00	WORTH OF SEEDS IN PACKETS FOR \$0.75
CAN HAVE \$2.00	WORTH OF SEEDS IN PACKETS FOR \$1.40
CAN HAVE \$3.00	WORTH OF SEEDS IN PACKETS FOR \$2.00
CAN HAVE \$5.00	WORTH OF SEEDS IN PACKETS FOR \$3.00

We make it our constant aim to supply seeds of the highest standard of excellence a first consideration, and next, to make prices as low as such quality of seeds can be sold. Every variety is tested at our own grounds each year, and by careful comparison with stocks obtained from other sources, we know that it is impossible to procure better seeds from any source than we sell. By these comparative trials we learn the merits and demerits of every known vegetable, and by leaving from our list varieties of doubtful merit save our customers disappointment and loss. Our list will be found to contain the most reliable varieties in cultivation, and such as we supply to the most critical market gardener and experienced planter, who must have the best.

ASPARAGUS.

Fr., Asperge. GER., Spargel. Sow 1 oz. for 60 ft. of drill.

Sow in March or April, in rows 1 foot apart. When two years old, transplant into permanent beds, which should be well and deeply manured, and trenched to the depth of two feet. Set the plants (in rows) from three to four feet apart, and two feet in the rows, spreading out the roots, and covering from six to eight inches. On the approach of winter cover with manure or compost; fork the beds early in spring, and apply a dressing of salt. Cut for use the second year, after planting in permanent bed.

Asparagus Seed.

Conover's Colossal. The standard variety; of large size, tender and of excellent quality.

Pkt. 5c., oz. 10c., 1/4 lb. 15c., 1b. 40c.

Barr's Mammoth. The stalks are very large, frequently one inch in diameter, with few scales; the stalks retain their thickness completely up to the top of the shoots, and have close, round heads. They are very quick growing and very light in color. The stalks are very tender and succulent, entirely free from woody fibre, and make shoots fit for market in one day.

Pkt. 5c., oz. 10c., 1/4 lb. 15c., 1b. 40c.

Palmetto. It is of very large size, even and regular in growth and appearance. It is a very early sort, and immensely productive and of the best quality.

Pkt. 5c., oz. 10c., 1/4 lb. 15c., 1b. 40c.

Columbian Mammoth White.

A new and entirely distinct variety, that produces shoots that are white, and remain white, as long as fit for use. In addition to this advantage it is more robust and vigorous in habit, and throws up larger shoots and fully as many of them as "Conover's Colossal" and requires no earthling up, as in the green sorts, in order to furnish the white shoots, so much sought after. This grand result in producing a White Asparagus did not come by chance, but was the outcome of years of patient work and careful selection by the originator.

Pkt. 5c., oz. 10c., 1/4 lb. 20c., 1b. 75c.

Asparagus Plants. These prices do not include postage. If to go by mail, add at the rate of 50 cts. per 100 for the 2-year-old plants.



Artichoke Jerusalem.



Col. Mam. White.

Columbian Mammoth White. 2-year-old roots, doz., 15 cts.; 100, 75 cts.; 500, \$3.25; 1,000, \$6.00.

Conover's Colossal. 2-year-old roots, 100, 50c.; 1,000, \$4.50. 3-year-old roots, extra strong, 100, \$1.25.

Barr's Mammoth. 2-year-old roots, doz., 20c.; 100, 85c.; 500, \$3.50; 1,000, \$6.00.

Palmetto. 2-year-old roots, doz., 20c.; 100, \$1.00; 500, \$2.50; 1,000, \$5.00.

ARTICHOKE. (GLOUE)

Fr., Artichaut; GER., Artischoke.

Sow in April in rich soil, and transplant the following spring to permanent beds (in rows or hills), three feet apart, and two feet between the plants. They only give a partial crop the first season, but the beds will remain in bearing for years. Protect in winter by a covering of leaves or coarse manure.

Artichoke. Large Globe. Grown for the unripe flower heads, which are highly esteemed by epicures. Per oz. 25c.; pkt. 5c.

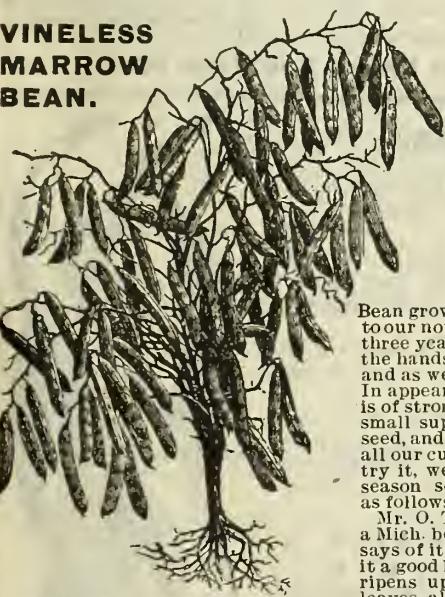
Jerusalem Artichoke. This variety is not produced from seed, but is cultivated for its tubers, which are especially valuable for stock-feeding on account of their fattening properties; they are well adapted to any soil where corn and potatoes can be grown. They are the best hog food known; a preventive of cholera and other hog diseases. One acre planted in Jerusalem Artichoke Roots will keep from 20 to 30 head of hogs in fine condition from October until April, except when the ground is frozen too hard for them to root, as they should not be dug in the fall, but the hogs turned into the field to help themselves by rooting for them. Three bushels of tubers are sufficient to seed one acre; cut to one eye, the same as potatoes, planting in April or May, in rows 3 feet apart and 2 feet in the rows, and cover about 2 inches deep. Price, lb. 25c.; 3 lbs. for 65c.; postpaid; by ft. or ex. pk., 40c.; bns., \$1.25; bbl., of 3 bush. (enough for one acre), \$3.00.



BRUSSELS SPROUTS.

VALENTINE WAX.—This is a new bean of great merit. It is without exception the earliest wax bean in cultivation. The pods are very meaty and with so very little string that they may justly be called stringless. It is remarkably free from rust, and is the best in quality for snap beans of any wax bean in use. The introducers of this bean claim that beans planted on June 18th produced pods four inches long by July 25th, and on August 1st half a crop could be picked. Pkt., 5c.; $\frac{1}{2}$ pt., 15c.; pt., 30c.; qt., 45c.

VINELESS MARROW BEAN.



Vineless Marrow or Drop Leaf Bean.

The above is the name now given to a bean which we listed in our 1890 catalogue.—We called it Drop Leaf and described it as follows:

The remarkable thing about this new field bean is its characteristic of shedding the leaves at maturity, leaving nothing but the pods hanging on the vines. Bean growers will recognize the great advantage this gives, especially in a wet season. The bean came to our notice something over a year ago, in the vicinity of Paw Paw, Mich., where it had been grown for three years with much satisfaction to the growers. Where it originally came from and how it got into the hands of these Michigan bean growers seems to be in doubt. Its merit, however, is unquestioned, and as we fail to find it described under any existing name, we take pleasure in introducing it as above. In appearance the dry bean is in shape like the small pea bean, but larger. The plant stands up well, is of strong branching habit, bearing abundantly pods of good size, which are well filled. We have but a small supply of the seed, and as we want all our customers to try it, we shall this season sell it only as follows:

Mr. O. T. Rawson, a Mich. bean grower says of it: "I think it a good bean, for it ripens up even, the leaves all drop off. For heavy cold land and rich in state of nature they are the

best bean I ever tried. On light land they are better than the pea bean, they ripen up quick." Pkt., 5c.; $\frac{1}{2}$ pt., 15c.; pt., 20c.; qt., 35c.

NEW BEAN STRINGLESS GREEN POD.

This new bush bean is one of the most desirable ever introduced and we highly recommend it. The introducer describes it as follows: "It is most happily named, as it is quite unique—the only stringless green-pod bush bean in cultivation. Consequently it surpasses all others in crisp, tender flavor. The illustration herewith, taken from nature, shows the width and thickness of the beautiful, straight, green pods; all are absolutely stringless and of the beautiful fleshy appearance shown. The pods are ready to market two weeks earlier than the best stock of Improved Extra Early Red Valentines, in fact, earlier than the Early Yellow Six Weeks, which, as all know, is valuable only for its extra earliness, being of inferior quality. Burpee's Stringless Green Pod is of immense value, not only to the market gardener who wants to make more money, but also to the amateur who seeks finest quality for the home table. Pkt., 5c.; $\frac{1}{2}$ pt., 15c.; pt., 25c.; qt., 45c., post-paid.

BROCCOLI.

GER., *Brocoli, Spargel-Kohl* Fr., *Chou Brocoli*. Sp., *Brocoli*. Nearly allied to the Cauliflower, but more hardy. The seed should be sown in this district in the early part of May and transplanted in June; further south the sowing should be delayed until June or July, and the transplanting accordingly from August to October. In parts of the country where the thermometer does not fall below 20 or 25 degrees Broccoli may be had in perfection from November until March. It succeeds best in a moist and rather cold atmosphere.

WHITE CAPE.—Heads medium size, close, compact, and of creamy white color. One of the most certain to head. Pkt., 10c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.50.

PURPLE CAPE.—Differs only in color. Pkt., 10c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.75.

WELCHIEREN.—A valuable variety, with very large firm heads. Pkt., 15c.; oz., 45c.; $\frac{1}{4}$ lb., \$1.25.

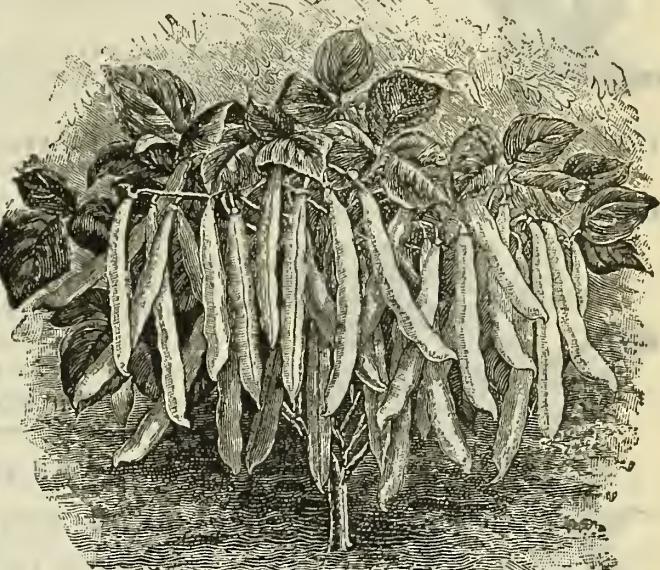
BRUSSELS SPROUTS.

GER., *Kopf kohl Gruner* Fr., *Chou de Broxelles*.

This is one of the best vegetables for winter use, producing from the axils of the leaves an abundance of sprouts, resembling small cabbages, of excellent, mild flavor. It has never come into general use in this country, probably owing to its being too tender to stand the winters of the Northern States; still by sowing in April and planting out in July, it may be had in fine condition until December, and in the Southern States may be had in use from November to March.

TALL FRENCH.—Very fine Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00

DWARF IMPROVED.—A variety producing compact sprouts of excellent quality. Pkt., 5c.; oz., 15c.; lb., \$1.50



VALENTINE WAX BEAN.



BURPEE'S NEW STRINGLESS GREEN POD

BUSH BEANS.

GREEN-POD VARIETIES.



Yellow Six Weeks. (Round Pod.)

YELLOW SIX WEEKS (Improved Round Pod)—Similar to the Long Yellow Six Weeks in habit of growth and season of maturity; but the seed and the pod are round, and in quality it is superior.

LARGE WHITE MARROW—Large shell bean.....
IMPROVED WHITE KIDNEY—Used as a shell bean.....
PROLIFIC TREE—Very productive shell bean.....
NAVY—The standard variety for shell beans.....
BOSTON SMALL PEA BEAN—Excellent shell bean.

PRICES.
 Any Green-Pod Variety
 PACKET 5 CENTS
 1-2 PINT 10 CENTS
 PINT 20 C. QUART 35 C.

For Peck and Bushel Prices See Page 62



Challenge Black Wax.

CHALLENGE BLACK WAX—A very prolific strain of wax beans, fine round pods, flavor excellent, earlier than the ordinary Black Wax, and not so apt to rust.



Wardwell's Kidney Wax.

WAX-POD VARIETIES.

CURRIES' RUST-PROOF WAX—Seed black; a fine sort. Rust proof, tender, thick-fleshed pods, early and very productive.

LEONARD'S GOLDEN-EYE WAX—This is the hardiest and handsomest of all the wax beans. Rust proof; the best variety for the market garden, for shipping it is unexcelled.

GOLDEN WAX—The old standard wax sort. It is productive, early, prolific, and on the whole is yet among the best for family use.

IMPROVED GOLDEN WAX—Rust proof. An improvement on the old Golden Wax. The pod is somewhat round, meaty, and entirely rust proof.

WARDWELL'S KIDNEY WAX

The most popular of all the wax beans. Hardy and productive. Thick, flat pods, which are of fine flavor. A good shipper.

YOSEMITE WAX

—The largest of all the bush wax varieties, pods thick, and of excellent flavor.

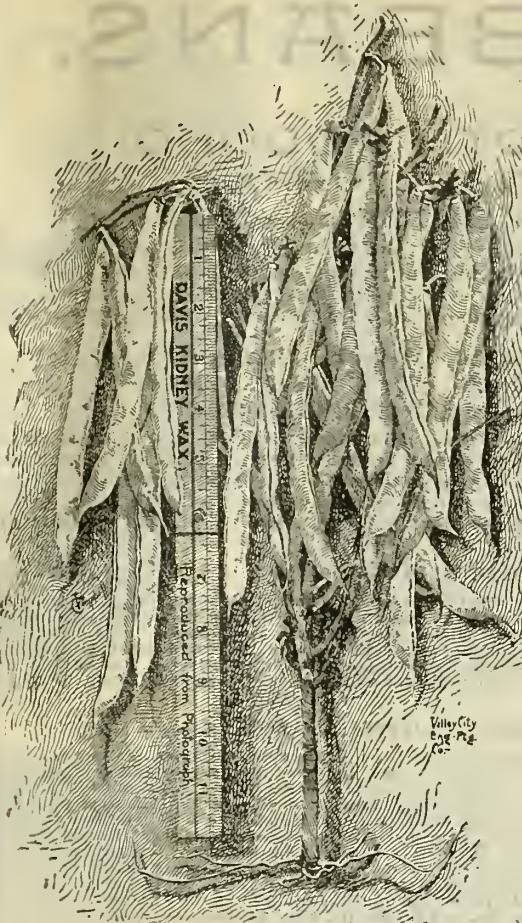
WHITE WAX

The well-known white-seeded variety, one of the best in flavor. Pods round.

PRICES.
 Any Wax-Pod Sort
 PACKET 5 CENTS
 1-2 PINT 15 CENTS
 PINT 25 CENTS
 QUART 40 CENTS



Yosemite Wax.



Davis Kidney Wax Beans.

BEANS.

NEW OR ESPECIALLY GOOD VARIETIES.

DAVIS KIDNEY WAX.—A new variety introduced last season. It is adapted alike for the canner, market gardener, shipper or amateur. The dry bean is large, kidney shaped and white in color, making it one of the best for cooking in the dry state. The pods are long, mealy, stringless, and of a beautiful yellow color. It stands shipping better than any other, and is one of the best of the wax podded varieties. Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 35c.

PROLIFIC BLACK WAX.—The old standard Black Wax bush bean. It is so good that it is worthy of special notice. The pods are round, brittle, of handsome golden yellow color and of buttery flavor when cooked. Do not forget the old meritorious kind when looking over the list, and include this in your orders. Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 35c.

DETROIT WAX.—A distinct variety of recent introduction, which is worthy of a place in every garden. The waxy yellow pods are produced in great abundance and the quality is extra fine. Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 35c.

FLAGOOLET WAX.—A large bush wax variety; seed large, purplish red; excellent as a snap bean, and in great favor as a dry shell bean. Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 35c.

REFUGEE WAX.—Among green beans, the Refugee type has always been most valuable. This wax variety has all the peculiar characteristics of the old Refugee, such as small, dense foliage, great productiveness, roundness of pod and handsome appearance. It will readily be seen that the advantages gained in producing a wax form of this must be great. It is absolutely free from rust, and withstands the drought well.

Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 40c.

BEST OF ALL.—This is a green-podded variety, very popular at the south to ship to northern markets. The pods are long, tender and of splendid quality. Early, productive, and worthy of a trial by all. Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 35c.

KEENEY'S RUSTLESS GOLDEN WAX.—Combines hardness and productiveness with fine quality. A strong growing bush variety of remarkable vigor and freedom from rust. The pods are meaty and well filled, thick flat when young and semi-round later; a very desirable variety. Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c.

SOME EXCELLENT POLE BEANS.

HORTICULTURAL LIMA.

GIANT RED WAX.

Uniform Price: Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 45c.

GOLDEN CHAMPION.

CHALLENGE LIMA.

DWARF LIMA VARIETIES.

BURPEE'S—The only bush form of the true, luscious, large Lima. It is pronounced by all good judges as unquestionably the *Real Bush Lima*. The bushes grow eighteen to twenty inches high, of stout growth and always erect. It is an immense yielder, the pods being filled with very large beans. Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 35c, qt. 40c.

DREER'S—The true bush form of the chubby Dreer's or Potato Lima. The pods are heavy and thick. It is quite productive and of excellent quality. Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 30c, qt. 40c.

HENDERSON'S—This is a bush form of the small Seiva pole bean. It is the original bush form of the pole beans. It is the most productive of any, and on the whole is a vegetable of great merit. Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 35c.

JACKSON WONDER.—This is a bush form of the speckled Seiva. It is similar to the Henderson Bush Lima in habit of growth. The beans are larger and the shells open easier. Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 30c, qt. 50c.



Burpee's Bush Lima.

POLE BEANS.



Mammoth Podded Horticultural Pole.

MAMMOTH PODDED HORTICULTURAL POLE BEAN

The old London Horticultural has been considered the very best bean known for use, either as green shelled or for baking, but in this sort we have a bean similar in general character but better in every way. The Mammoth Pods are striped and splashed with exceedingly brilliant crimson, and the immense beans are of the very best quality,

THE VINE IS HARDIER AND MORE PRODUCTIVE.
THE POD IS LARGER AND MORE BEAUTIFUL.
THE BEAN IS LARGER AND OF BETTER QUALITY.

This variety has been sold under a great many names, such as Hamden Pole, Worcester Pole, Mugwump, etc., and always wins friends wherever used, but a great deal of the stock has been of inferior quality, reproducing many plants practically like the old London Horticultural. We have secured a quantity of perfectly true stock which we believe is as pure as any obtainable elsewhere. **Pkt. 10c, $\frac{1}{2}$ pt. 20c, pt. 30c, qt. 45c, postpaid.**

GOLDEN CHAMPION.

We think this the earliest and one of the best of the Wax Podded Pole Beans. Vines medium size to large, with yellow stems; leaves very light green, strongly tinged with yellow, giving the whole plant a yellow appearance; flowers pink; pods long, cylindrical, much curved, flat, very fleshy, stringless, bright golden yellow color, of excellent flavor, and borne in clusters; dry bean, long, narrow, flat, kidney-shaped, bluish-black. The points of superiority in this variety are extreme earliness, productiveness, and the fine color and quality of the pods. **Pkt. 5c, $\frac{1}{2}$ pt. 25c, qt. 45c, postpaid.**

HORTICULTURAL LIMA.

A cross between the Dwarf Horticultural and Dreer's Improved Lima, combining the good qualities of the latter with the earliness of the former. Its extreme earliness and hardiness will permit of its being planted far north of where any true Lima Bean can be grown, while its prolificness and the quality of the green shelled beans make it a desirable addition to any garden. Vines medium size, not much branched and usually not running over four feet, but fruiting freely to the ends; leaves large, coarse, wrinkled, green, resembling Dwarf Horticultural; flowers medium size, white; pods borne in clusters, three to six inches in length, flat, almost straight, terminating abruptly to a short point, green, and usually carrying six beans; dry beans, marked the same as Dwarf Horticultural, though the ground color is a little darker. They cook dark, but we consider them fully equal to Limas in quality, combining the excellencies of both the Horticultural and the Limas. **Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 45c, postpaid.**

CHALLENGER LIMA.

The vines of this splendid sort are very stout, vigorous and productive, with large, thick leaves. The pods are much thicker than those of the other Limas, and contain from four to five beans, which are large, thick, white, and of the best quality. It is early and continues bearing its closely crowded clusters of pods until cut off by frost. One of the most popular varieties with the New York market gardeners. This is similar to, but a decided improvement on what is known as Dreer's Improved Lima. **Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 45c, postpaid.**

WHITE SICKLE POLE BEAN.

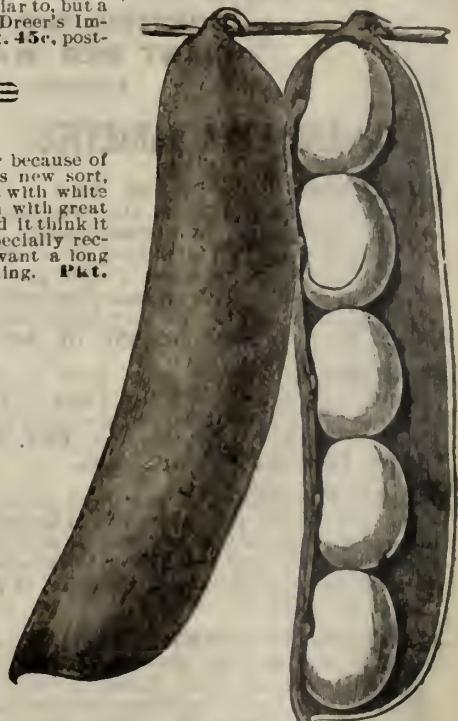
Those who object to the Kentucky Wonder because of the colored beans will be delighted with this new sort, which has equally long and tender pods, but with white instead of colored beans. It has been grown with great success in the South, and those who have used it think it by far the best bean for their section. We especially recommend it for the South, and for those who want a long and tender pod which will not discolor in cooking. **Pkt. 10c, $\frac{1}{2}$ pt. 20c, pt. 30c, qt. 50c, postpaid.**

SEIBERT'S EARLY LIMA BEAN.

Introduced
in 1895....

THE EARLIEST TRUE LIMA.

Practical value has been the object aimed at in the development of this grand variety, which is the outcome of the labors of a skillful market gardener who selected for several years the largest green beans from the thinnest and most easily opened pods. It furnishes the Largest Green Beans, and is the most easily shelled of any of the Limas. The green shelled beans are of immense size, but so tender and succulent that they shrink, in drying, to about the size of the Large White Lima. It is the best Lima Bean ever offered for market gardeners' use. In earliness, ease of shelling, size, beauty and quality of the green beans, this new variety is far in advance of all other sorts, and must come to be recognized as the best of all for either the garden or market. The vine is very productive and exceptionally hard and vigorous. It produces pods very early and the beans are of fine quality. **Pkt. 10c, $\frac{1}{2}$ pt. 20c, pt. 30c, qt. 50c, postpaid.**



Seibert's Early Lima.

Pole Beans

EARLY JERSEY LIMA—Ten days earlier than any other Lima. We recommend this variety to all who desire a profitable Lima Bean.

LARGE WHITE LIMA—The old standard variety, productive and of good flavor.

KING OF THE GARDEN LIMA—A very large sort, considered the most productive of any of the Limas.

DREER'S IMPROVED LIMA—Also called the Potato Lima. The Beans are distinct in appearance, thick, round and of excellent flavor.

FORD'S MAMMOTH LIMA—A variety that is much esteemed wherever it has been tried.

SMALL LIMA OR SIEVA—This is the standard Small Lima. It is very productive and of good flavor.

HORTICULTURAL CRAN-BERRY—A fine shell Bean, worthy of a place in every garden. Excellent for baked Beans.

SOUTHERN PROLIFIC—Much esteemed in the South, where it is planted largely.

DUTCH CASE KNIFE—Very early and prolific. Fine shelled either green or dry.

SCARLET RUNNER—The most productive of all Pole Beans. Is used chiefly for its blossoms.

INDIAN CHIEF—The Black Wax Pole-Bean. An excellent variety either green or shelled.

NOTE THESE PRICES. POSTPAID.
Any of above varieties.

Pkt. 5c, $\frac{1}{2}$ Pint 15c, Pint 25c, Quart 40c.

Early Jersey Lima.



The following may be called

THE "GILT-EDGED" VARIETIES.

They are usually very scarce and **always in demand**.

LAZY WIFE—Immensely popular everywhere. It is exceedingly productive and easily gathered. Probably this is why it comes by its very discourteous name. It is an excellent Bean.

WHITE CREASEBACK—This well-known sort is one of the best green-podded Pole-Beans. The pods are very long and of superb quality.

EARLY GOLDEN-CLUSTER WAX—The finest, earliest and best of all the Wax Pole-Beans. It is very early, being only a week later than the Golden Wax.

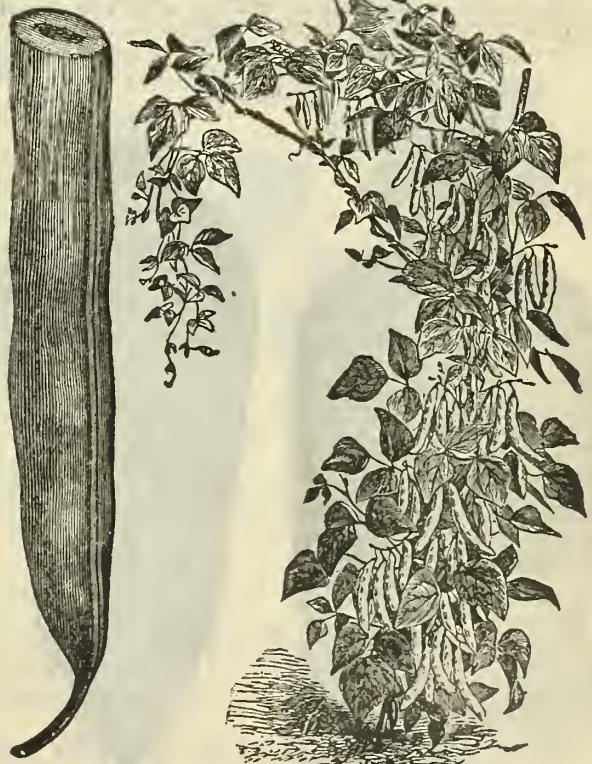
KENTUCKY WONDER (Old Homestead)—Ours is the true round stock. It will set pods during the hottest weather. Very prolific and of fine flavor.

RED-SPECKLED CUT-SHORT (Corn-Hill)—This is the best sort to plant in hills of corn. It is praised beyond measure by all who have tried it.

PREPAID PRICES.

Pkt. 5c, $\frac{1}{2}$ Pint 15c, Pint 25c,
Quart 40c.

For Any "Gilt-Edged" Sort.



Old Homestead or Kentucky Wonder.



BEETS.

TABLE KINDS.



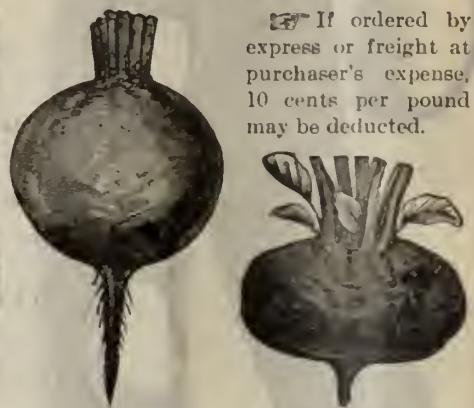
Leonard's Extra-Early Egyptian.



Edmand's Blood Turnip.

Please note that our prices
are for seeds
postpaid by mail.

If ordered by
express or freight at
purchaser's expense,
10 cents per pound
may be deducted.



Eclipse.



Egyptian.

LEONARD'S EXTRA-EARLY EGYPTIAN—The earliest and finest beet. The most popular early sort with market gardeners. Of fine shape, splendid color and choice quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

EARLY EGYPTIAN—The well-known early variety. Color extra dark, shape flat, quality excellent. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.

EARLY ECLIPSE—A choice early variety, well known and popular. Shape globular, quality good, color light. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.

BASTIANS—An extra-early variety, much esteemed by market men East and South. Color light. Pkt. 5c, oz. 10c, lb. 50c.

EDMAND'S EARLY BLOOD TURNIP—The best sort for general crop. In quality one of the finest, exceedingly dark, shape globular, having only one tap root. Very popular with market men. Pkt. 5c, oz. 10c, lb. 50c.

LONG SMOOTH BLOOD—The standard long late sort. Very dark blood-red flesh, quality fine. Pkt. 5c, oz. 10c, lb. 50c.

EARLY BASSANO—A good early variety, similar to Egyptian in shape, but of lighter color. Pkt. 5c, oz. 10c, lb. 50c.

DEWING'S EARLY BLOOD TURNIP—A good variety for main crop. Keeps well. Like Edmand's, but lighter color. Pkt. 5c, oz. 10c, lb. 50c.

SWISS CHARD OR SILVER—Used for its leaves. Pkt. 5c, oz. 15c, lb. 50c.

STOCK BEETS OR

LEONARD'S IMPROVED MAMMOTH LONG RED—The largest and most productive variety. Immense crops can be grown from it. Oz. 5c, $\frac{1}{4}$ lb. 10c, lb. 30c.

NORBITON GIANT LONG RED—Very large, excellent variety for feeding stock. A heavy cropper in deep soil. Oz. 5c, $\frac{1}{4}$ lb. 10c, lb. 30c.



Golden Tankard.



Leonard's Mammoth.

MANGEL WURZELS.

YELLOW GLOBE—Globular-shaped roots. More productive than Long Red in shallow soil. Very nutritious and a good keeper. Oz. 5c, $\frac{1}{4}$ lb. 10c, lb. 30c.

GOLDEN TANKARD—Shape cylindrical, color deep rich yellow, flesh yellow circled with white. Unequalled for feeding stock. Oz. 5c, $\frac{1}{4}$ lb. 10c, lb. 30c.

No root crop is a better paying investment for farmers to grow than Mangel Wurzel. We annually sell thousands of pounds of our superior strains. Sow in drills twenty-four inches apart, and nine inch rows; sow when ground is warm and moist. Does not come up well in dry weather. A New Model Seed Drill will plant one acre in an hour. Price \$5.50. It will pay a farmer to plant an acre, as the yield is enormous. They keep well and do cattle much good, as a change in food always does.



Yellow Globe.

ANY VARIETY
OF
MANGEL WURZEL
IN BULK.

To go by Freight or Express
at expense of Purchaser.

10 lbs.,	\$1.75
20 lbs.,	\$3.20
50 lbs.,	\$7.50
100 lbs.,	\$15.00

Prices on larger quantities given
upon application.

SUGAR BEETS.

The growing of beets is becoming a very important industry in this country, and it seems safe to predict that in a few years Sugar Beets will be in great demand. The first effort at growing beets for sugar in this country seems to have been in the year 1838, at Northampton, Mass., where something over 1,000 pounds of good beet sugar was produced. At the present time there are beet sugar factories at many places in the United States, and the product of sugar from beets was in 1897 40 million pounds.

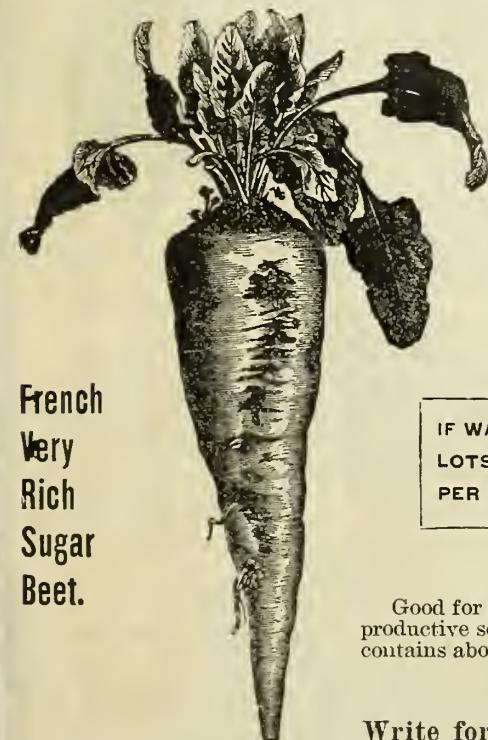
The possibilities and opportunities of the beet sugar industry in this country may be gathered from the following: The quantity of sugar made from beets in the world is estimated at 8 billion 500 million pounds. The quantity made from

cane is 6 billion 600 million pounds, making a difference of nearly 2 billion pounds in favor of the beet, besides this we, of the United States import each year 4 billion 510 million pounds of sugar valued at 130 million dollars. This is four times as much as we have thus far been able to produce, and the only reason we do not produce more is the lack of effort, because we can grow beets as cheaply and bountifully as can any country of Europe. It is found also that the beets grown here in this country contain a little more saccharine matter than those grown in European countries. Here are opportunities for the American farmer which ought to be taken advantage of. The demand for beet roots will continue to increase until the industry will assume proportions of great magnitude, and as it is an established fact that there is money in it nothing can stop its onward march, and farmers in all parts of the country should avail themselves of the benefits it offers by growing sugar beets.

Klein
Wanz-
leben
Sugar
Beet.

KLEIN WANZLEBEN.
A little larger than Vilmorin's Improved, yielding from twelve to eighteen tons per acre and containing about the same amount of sugar. It grows below the surface, and the green leaves are rather large and spreading with wavy edges. A little harder, and easier grown than Vilmorin's Improved. Probably the best sort for the experimenter to use.

Oz. 5c, 1/4 lb. 15c, 1b. 40c, postpaid.



French
Very
Rich
Sugar
Beet.

All the Sugar Beets are very valuable for stock feeding.

FRENCH VERY RICH.

A variety with large, long roots, yielding from fourteen to twenty tons per acre, and containing from fourteen to sixteen per cent. of sugar. The roots are below the surface, and the green leaves are upright in growth. The hardest, and easiest grown.

**Oz. 5c, 1/4 lb. 10c, 1b. 25c,
postpaid.**

IF WANTED BY EXPRESS IN 5 OR 10 LB.
LOTS AT YOUR EXPENSE, DEDUCT 10C
PER LB. FROM THE PRICES QUOTED.

LANE'S IMPERIAL SUGAR.

Good for making sugar, also stock feeding. A hardy and productive sort. Yields fourteen to sixteen tons per acre, and contains about sixteen per cent. of sugar.

Oz. 5c, 1/4 lb. 10c, 1b. 35c, postpaid.

Write for Special Prices on Lots over 10 Lbs.

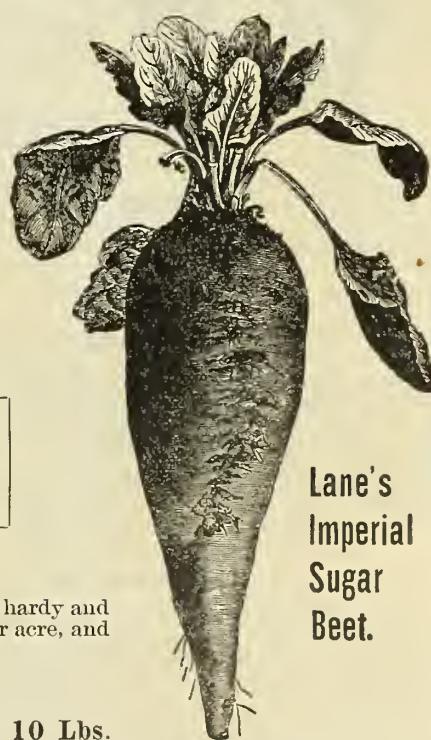


Vilmorins
Improved
Sugar
Beet.

VILMORINS IMPROVED SUGAR.

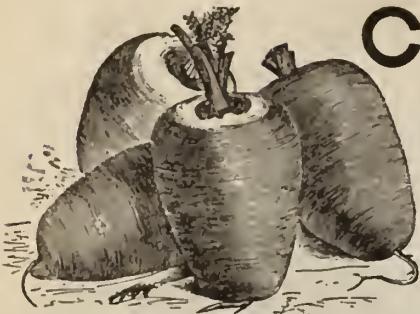
In general, the most desirable beet for the factory is the one containing the largest percentage of sugar. In this variety we have one of the richest beets in cultivation, not only that, but it will do better on new lands, suffer less from an excess of nitrogen, and will keep the best of any. In size it is medium or a little below, yielding from ten to sixteen tons per acre, and containing from sixteen to eighteen per cent. of sugar. It grows below the surface, and the green leaves are smooth edged and spreading.

Oz. 5c, 1/4 lb. 15c, 1b. 40c, postpaid.



Lane's
Imperial
Sugar
Beet.

CARROTS



Ox Heart.

GUERANDE OR OX HEART

—A very heavy cropper, color fine. Owing to its short, thick root it is easily harvested.

Pkt. 5c, oz. 10c, lb. 60c.



White Belgian

WHITE BELGIAN

The well-known stock-feeding variety. A heavy cropper. Quality good.

Pkt. 5c, oz. 10c, lb. 40c.



Danvers

DANVERS—The standard variety for field culture in the vicinity of Chicago. Used extensively by market gardeners to sell in bags for winter use. Color, orange; quality, good.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

LONG ORANGE—In the East this is the standard field variety. Is a heavy cropper of fine quality.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

EARLY SHORT-HORN—A fine early variety, good for home use. Eastern market gardeners use this sort for bunching. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

ST. VALERY—A good late variety. It grows long, shape uniform, tapering from a wide shoulder to a point.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.

YELLOW BELGIAN—A good field variety, similar to White Belgian in shape and size, but of orange color.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.

 In comparing our prices, please remember that we send the Seeds postpaid by mail. If ordered by express or freight at purchasers' expense, 10c per pound may be deducted.

EARLY FRENCH FORCING—The earliest variety. Valuable for forcing. Root is small and round. Quality is excellent. This sort is highly prized in France.

Pkt. 5c, oz. 10c, lb. 75c.



Nantes' Half-Long.

NANTES' HALF-LONG—A good variety for early use to bunch for market. One of the best for the home garden.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.



French Forcing

CHANTENAY—The finest in color, the best in form, and the most productive of all the stump-rooted varieties.

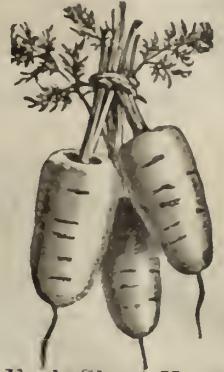
For either market or home use, It is the best. Of fine flavor, either in soups, stews, or boiled. For ordinary feeding purposes it meets all requirements, as it keeps well, crops well, and can be used more economically than any other.



Long Orange



Pkt. 5c, oz. 10c, lb. 55c. Chantenay



Early Short-Horn

COLLARDS.

Georgia—This is the variety so extensively used in the South, where it furnishes an abundance of food for both man and beast. Forms a large, loose, open head, or a mass of leaves on a tall stem, which are the better for freezing. Sow thickly in drills in rich ground, transplanting when four inches high. In the South they sow from January to May, and August to October. Pkt. 5c, oz. 10c, lb. \$1.00.

CARDOON.

Culture—Sow early in Spring, in rows, where they are to stand, thin them to 1 foot apart. When full size, bind the plants together with straw or matting, and earth up like celery to blanch. The stems of the leaves are used for salads, soups and stews.

Large Solid—Grows about 4 feet high; leaves nearly free from spines. Pkt. 10c, oz. 40c.

CHICORY.

GER., *Cichorite*.—Fr., *Chicoree*.—Sp., *Achicoria de Cafe*.

Chicory is cultivated chiefly for its roots, which are dried and used as a substitute or flavoring ingredient for coffee. The leaves, when blanched, are also esteemed as an excellent salad. Cultivate as recommended for Carrots.

Large Rooted, or Coffee Chicory.—Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 80c.

CHERVIL.

GER., *Gartenkerbel*.—Fr., *Cerfeuil*.

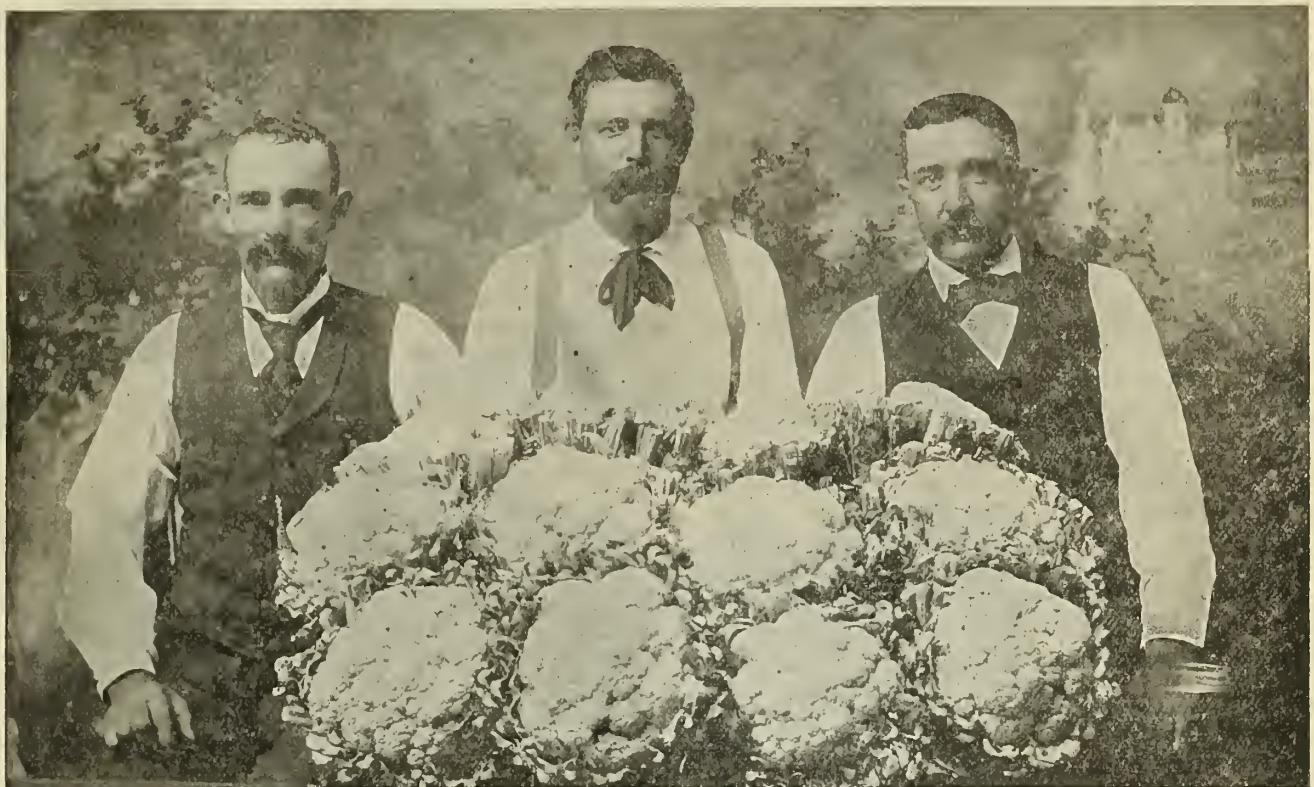
The Curled Chervil is cultivated like Parsley, and used for garnishing and flavoring soups and salads. The seed of the Tuberous Rooted is sown in August, and treated like the Carrot.

Curled Chervil.—Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

Tuberous Rooted.—Prepared for the table like Carrots. This is one of the most delicious vegetables grown. Pkt. 5c, oz. 20c.

CAULIFLOWER

LEONARD'S STRAIN Early Snowball Cauliflower.



See also revised matter relating to this Cauliflower on page 7 of this catalogue.

After years of experimenting and comparing, we have secured what we consider the best strain of **Snowball Cauliflower**, and as such, we this year give it the position of prominence in our Catalogue which its merit deserves. The photograph above shows one dozen heads grown from our Seed by Baker Bros., of Englewood, and were photographed Sept. 11th, 1897. The weight of the twelve heads trimmed for market was eighty pounds, and an idea of the splendid size of each head may be seen in the picture, which shows that four heads take up nearly as much space as the breadth of three large sized men. Cauliflower heads as good as these often bring \$3.50 per dozen on the Chicago market, and the dozen shown in the picture represents a fair average of the whole crop grown by the Baker's last season.

We have sold this Cauliflower Seed to the Baker Bros. and other large Cauliflower growers for four seasons and it has

LEONARD'S STRAIN
OF SNOWBALL
IS THE...

Best for Early
Best for Late
Best for Forcing

AND IS THE SUREST
HEADER OF ALL.

been compared with all the other strains each season, and it has invariably shown that it possesses points of superiority over any other stock. It matters not what may be claimed for other strains of Early Snowball Cauliflower, results speak louder than words, and when men who have been successful Cauliflower growers for more than a quarter of a century give unsolicited praise to a variety, and others take the trouble to have a photograph made of a box of the heads and present it to the man who sells them the seed, it proves that the seed in question has given results.

We would call the attention of market gardeners everywhere to this splendid strain of Snowball Cauliflower, and if they have been unsuccessful before, would urge them to try again, using **Leonard's Strain of Early Snowball** and make a success of Cauliflower growing.

Pkt. 15c, $\frac{1}{4}$ oz. 75c, $\frac{1}{2}$ oz. \$1.40, oz. \$2.50, 4 ozs. \$9.00,

8 ozs. \$17.00, lb. \$32.00.

We wish to make it very plain to all Cauliflower growers that this **Leonard's Strain of Snowball Cauliflower** comes directly from the place in Europe where the perfect type of Snowball is grown.

Four years ago a representative of Leonard's Seed House visited the European growers of Cauliflower Seed and found several of them who had excellent strains of this popular variety. Samples were secured and tests made and the best strain was arranged for. This is why we have it and it will only need a trial to prove that our strain of this Cauliflower is the best offered.

LEONARD'S EARLIEST DWARF ERFURT
—Choicest selection; one of the best for forcing, and earliest in open ground; many of our local growers use this strain and find it very superior. It has been successfully grown for years.

Pkt. 10c, $\frac{1}{4}$ oz. \$1.50, oz. \$2.50.

EXTRA EARLY PARIS—Largest for forcing; a standard early. Pkt. 5c, oz. 50c, $\frac{1}{4}$ lb. \$2.00.

HALF EARLY PARIS—A popular sort, good for early or late crops. Pkt. 5c, oz. 50c, $\frac{1}{4}$ lb. \$2.00.

THE trade we have for cauliflower seed is large. Our customers consist of market gardeners and large growers. Every effort is made to secure the best there is in cauliflower as well as in all other seeds, and the introduction of a new cauliflower by us is not done without a definite knowledge of its merit.

LENORMAND'S SHORT STEM MAMMOTH
—Large, fine. Pkt. 5c, oz. 50c, $\frac{1}{4}$ lb \$2.50.

AUTUMN GIANT—Heads large, compact and very white. Pkt. 5c, $\frac{1}{4}$ oz. 75c, oz. \$2.50.

LATE GIANT ITALIAN—Large, robust sort, suitable for cold climate. Pkt. 5c, oz. 50c, $\frac{1}{4}$ lb. \$2.00.

ALGIERS—A favorite late market variety, producing immense heads of excellent quality. Pkt. 5c, oz. 75c, $\frac{1}{4}$ lb. \$2.50.

CABBAGE.



THE PRICES QUOTED ARE
BY MAIL POSTPAID.



Early Jersey Wakefield.

as Wakefield, but, for the Home Garden

EARLY YORK—A standard early-pointed head variety.

Quality good, very popular in some Southern localities,

Pkt. 5c, oz. 15c, lb. \$1.25.

HENDERSON'S EARLY SUMMER—The standard summer variety. Unexcelled for the market garden and good for home use. Pkt. 5c, oz. 20c, lb. \$1.50.

HENDERSON'S SUCCESSION—A good variety for summer use. Also used largely to succeed itself. Not so good for fall use as the Faultless, however. Pkt. 5c, oz. 20c, lb. \$1.50.

FOTTLER'S EARLY BRUNSWICK—A fine early fall variety. It is a well-known and very popular sort. Pkt. 5c, oz. 20c, lb. \$1.75.

ALL SEASONS—An excellent variety for any season. It can be used as a summer or fall variety. With the exception of **Leonard's Faultless** it is the best of any for this purpose. Head of fine shape, quality excellent. Pkt. 5c, oz. 20c, lb. \$1.50.

BRIDGEPORT DRUMHEAD—This is the standard winter variety at Chicago. It makes a large solid head. **VARIETIES, FOR THE FOLLOWING REASON:** The mammoth size permits it to be culled of bruised leaves many times and still remains large enough and solid enough to look well and sell well. Pkt. 10c, oz. 25c. $\frac{1}{4}$ lb. 75c, lb. \$2.00.



Leonard's Faultless.

NEW EXPRESS—A very early sort, of good quality. For early market purposes we recommend it highly. It is about one week earlier than the Jersey Wakefield. Pkt. 5c, oz. 15c, lb. \$1.50.

EARLY JERSEY WAKEFIELD—This is the standard early pointed-head cabbage. For the market gardener it is the best, and for home use, for early all should have it. Pkt. 5c, oz. 20c, lb. \$2.00.

EARLY WINNINGSTADT—

A very fine extra-early cabbage. It is larger than the Wakefield, not quite as early, for this reason it is not used by market gardeners as much as the Wakefield. Pkt. 5c, oz. 15c, lb. \$1.50.

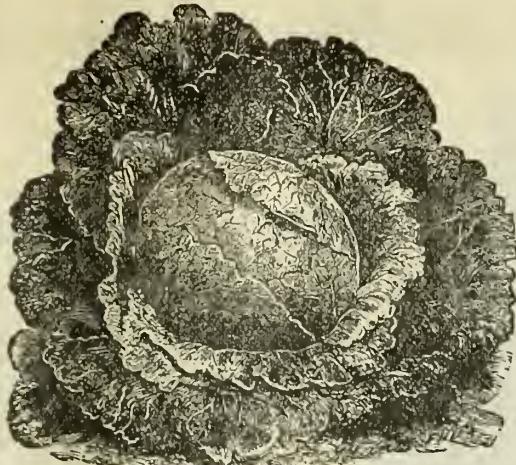


All Seasons.

FOR SHIPPING IT IS THE BEST OF ALL **VARIETIES, FOR THE FOLLOWING REASON:** The mammoth size permits it to be culled of bruised leaves many times and still remains large enough and solid enough to look well and sell well. Pkt. 10c, oz. 25c.

LEONARD'S FAULTLESS—This is the most popular all around Cabbage in the list. Since 1892 it has had the call on the Chicago market, and kraut growers in all sections of the country consider it the best variety for that purpose ever introduced. Its earliness, large size and superior quality makes it the best market sort for profit. It can be grown either for Summer or Fall use. The Chicago gardeners find it earlier than the early Summer, larger than that variety and finer grained. It may be planted close and will produce more solid, salable heads to the acre than any known variety. The seed we have of the Faultless is selected with the greatest care, and so popular is this strain that we book orders far in advance of the planting season, in order, as the gardeners say: "that we may be sure to get seed of it." We recommend this Cabbage to any gardener or cabbage grower as being the best second early or all purpose variety, and no mistake will be made by any one who will give it a trial. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 90c, lb. \$3.00.

CABBAGE.



All-Head-Early.

LOUISVILLE DRUM-HEAD—A very fine short-stemmed drum-head, much esteemed at the South. In the vicinity of Louisville is used more than any other kind for general crop. Foliage bright green.
Pkt. 5c, oz. 20c, lb. \$1.50.

ALL-HEAD-EARLY—This is one of the finest early flat-head sorts. It is

ALWAYS SURE TO HEAD.

It has few outer leaves, being, as its name implies, all head.

Pkt. 5c, oz. 15c, lb. \$1.50.



Louisville Drum-Head.

FOTTLER'S BRUNSWICK IMPROVED BLUE STRAIN—For many years this strain of cabbage has been used by the Chicago market gardeners for fall shipping. It does not burst or rot, has a very short stem, can be planted close. Is one of the best cabbages for sauer kraut. Head firm, size large, excellent in all respects. **Pkt. 5c, oz. 20c, lb. \$3.00.**

SURE HEAD—A fine variety for main crop. A sure header. Good for shipping and for home markets.

Pkt. 5c, oz. 15c, lb. \$1.75.

PREMIUM FLAT DUTCH—The old standard variety for main crop. It has long stood the test, and is yet one of the very best.

Pkt. 5c, oz. 15c, 1/4 lb. 40c, lb. \$1.00.

STONE MASON DRUM-HEAD—A very large heading variety. It is quite late. Not as fine grained as many others. **Pkt. 5c, oz. 15c, lb. \$1.50.**

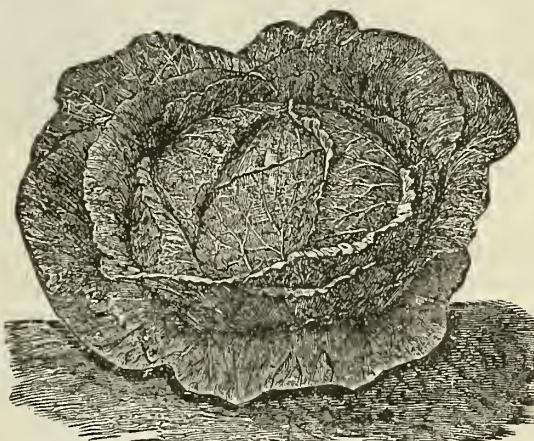
MARBLEHEAD MAMMOTH—Another very large variety of fairly good quality.

Pkt. 5c, oz. 15c, lb. \$1.50.

MAMMOTH ROCK RED—The largest heading of any red sort. Heads are hard, of deep-red color, quality excellent. **Pkt. 5c, oz. 25c, lb. \$2.00.**

RED DRUM-HEAD—The standard pickling variety. A good keeper.

Pkt. 5c, oz. 20c, lb. \$1.75.



Leonard's Luxemburg.

A TESTIMONIAL.

I think you have succeeded in getting the best strain of Luxemburg Cabbage to be found. The seed I bought of you, planted by the side of seed which I had from an original Rose Hill grower, did better and seemed to be much purer stock. I want you to save me some of the same seed for next year.

WM. PAEGES,
Crawford, Ill.

LEONARD'S LUXEMBURG.

With the exception of Leonard's Bridgeport Drumhead, this cabbage is the most popular late sort in the vicinity of Chicago. It has points of merit peculiarly its own, and differs very materially from the Eri degeport, being smaller but more solid. Its home is in the northern section of our market gardening district, while the Bridgeport is grown south of the city. The Luxemburg is the acme of perfection, when solidity is more desired than large size, and in the certainty of producing hard, heavy heads, it excels any cabbage known. There is one point of merit possessed by the Luxemburg which we desire to emphasize, and that is its characteristic of always remaining in a fresh green state. It appears as if just cut from the field when being marketed as late in the spring as the middle of May. We can say this of no other cabbage. **Pkt. 5c, oz. 25c, 1/4 lb. 75c, lb. \$3.00.**

For Many Years

Leonard's Seed Store has supplied seeds to the large majority of the **Chicago Market Gardeners**. Our trade with this critical class of buyers is increasing each year, and we do not know of a case of dissatisfaction. Our seeds have the best name; our sales to market gardeners are more than the combined similar sales of the other Chicago houses. This is a record to be proud of, and it guarantees to all who place orders with us that the best the market affords will be sent to them.

Leonard's Improved Bridgeport Drumhead.

With the exception of the Holland, this is the most popular late cabbage grown in the vicinity of Chicago, and for large size and handsome appearance, it stands without an equal. It is shipped more largely than any other, and is the only cabbage which seems to possess all the points desired by our own large growers. Leonard's Improved Bridgeport has been known to the Chicago cabbage growers for ten years, and it is admitted by them to be the best strain of this cabbage in existence. **Pkt. 5c, oz. 25c, 1/4 lb. 75c, lb. \$1.00.**



Bridgeport Drumhead.

THE HOLLAND CABBAGE

Leonard's Strain.



PHOTO OF A GROUP OF HOLLAND CABBAGES.

The Holland Cabbage, also called "Dutch Winter or Hollander" is more popular for winter and early spring marketing than any other. It is justly considered pre-eminently superior to any of the other late sorts in many particulars. It is a compact grower having few outer leaves and can be planted close which enables the grower to get from his patch the maximum number of heads at the minimum cost for rent and labor. It has the heaviest head for its size of any cabbage early or late. Its heads are uniform, of the handsomest appearance and of proper size for all purposes. Whether sold by the ton, hundred or dozen the grower can count on more money for his work than would be realized on any other late cabbage because the waste to the Holland is small and the buyer seldom has the chance to throw back a Holland with the complaint that it is soft or to ask for two heads in place of one on account of unequal size. The Holland has a robust constitution, keeps long and well, not inclined to rot when stored, nor to burst when in the field. It is without doubt a safe variety for all to try who desire a good late cabbage either to market or to ship.

 The above about the Cabbage—
Now about the Seed.

The importance of good cabbage seed, that is to have it pure, is very generally understood, and growers are, and ought to be careful what they buy. We are not the only people selling cabbage seed, nor do we claim to be the only people selling good cabbage seed, but we do claim that we have never yet known or heard of a strain of Holland cabbage seed "just as good" as the one which we are selling as **Leonard's Strain**, and it is six years since we got hold of it. We can confidently recommend it to anyone who grows cabbages as the purest Holland cabbage seed now offered. If our price seems high compared with that offered as Holland cabbage seed in other books similar to this, **you know the reason**, a good article cannot be produced as cheaply as an inferior one. **Pkt. 10c, oz. 40c, 1/2 lb. \$1.00, lb. \$3.00, 3 lbs. \$8.75, 5 lbs. \$14.25, postpaid.**

Pkt. 10c, oz. 40c, $\frac{1}{3}$ lb. \$1.00, lb. \$3.00, 3 lbs. \$8.75, 5 lbs. \$14.25, postpaid.



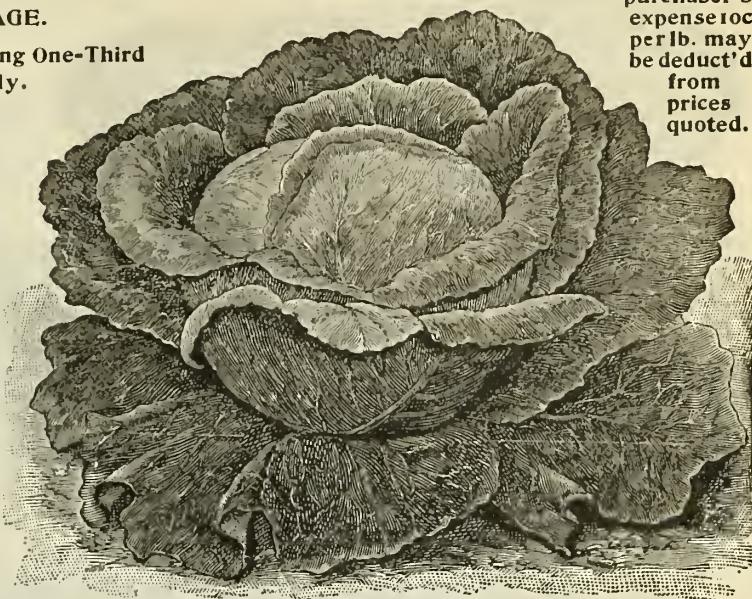
—Write for Prices on 10 lbs. or Over—

EARLY SPRING CABBAGE

A FIRST EARLY FLAT CABBAGE.

Coming in with the Wakefield, and Yielding One-Third
More than any other Extra Early.

Its great value lies in its being a **First Early Flat** cabbage, a type much preferred over pointed heads by most people, and it will readily be seen that this variety, with all of the merits of Early Summer, only a trifle smaller, which can be cut as early as Jersey Wakefield, is destined to secure a prominent and lasting place among vegetables. The variety is of Early Summer type, but about one-fifth smaller, having only four or five outside leaves, and these so small and growing so near to the head, that it may be successfully planted twenty-one inches apart, 18-500 to the acre, as close as any variety we know of. It possesses wonderful uniformity in shape, being round, slightly flattened at top of head. Stem is short and extends but little into the head; this feature is valuable, as it makes almost the entire head edible. The whole plant is finely bred; there is no suggestion of coarseness whatever; the veining of the leaves and leaf stems is particularly fine, the whole head being perfect throughout. There is no cabbage we know of having a more solid head; but, added to this, it has the peculiarity of heading firmly at an early stage in its growth, so that the finest cabbage, though small, can be obtained long before it has attained its mature size. It is entirely free from any rankness of flavor. Its uniformity in shape and large yield per acre renders it particularly valuable for truckers, and its compact form and good quality will render it the finest Early cabbage for every private garden. **Pkt. 5c, oz. 20c, 1/2 lb. \$1.10, 1b. \$2.00.**



Early Spring Cabbage.

This new winter cabbage originated from one head, first selected some years ago by Mr. J. M. LUPTON, the well-known grower of cabbage, who says of it:

The Lupton Cabbage is the result of an effort to combine in one variety the best qualities of the second-early and the late sorts . . . I do not know of a cabbage which I would as soon plant for a main-crop variety as this one. It is a little earlier than any one of the various strains of Flat Dutch and Drumhead, and of closer growth. The heads are particularly large in proportion to the plant, which grows strong but does not spread out much. The stalk is rather short, color dark green. In a great measure we appear to have succeeded in getting rid of the coarseness of the late sorts, as the quality is fine; it is also one of the best keepers we have, and comes out in the spring bright and fresh. The heads are not likely to crack open, it is quite a remarkable cabbage in this respect. As for uniformity, it will grow more uniform and head better than the late varieties, but does not equal the best second-early sorts, of which Leonard's Faultless is the most perfect type. **Pkt. 5c, oz. 20c, 1/4 lb. 50c, 1b. \$1.75.**



Winter Cabbage—The Lupton.

THE SAVOYS OR CURLY CABBAGES.

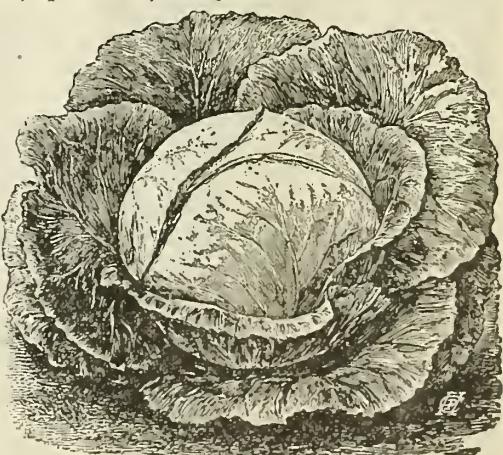
Where quality rather than size is desired, the Savoy varieties should always be sown. They have a rich and delicate flavor possessed by no other cabbages.

Improved American Savoy—Closely approaching the cauliflower in delicacy and delicious flavor. The best of all the Savoys for general market or home use. It has a short stump, grows to a large size, is compact and solid, and is a sure header. **Pkt. 5c, oz. 20c, 1/4 lb. 60c, 1b. \$2.00.**

Green Globe Savoy—This does not make a firm head, but the whole of it being very tender and pleasant flavored, is used for cooking; leaves wrinkled and dark green; is very hardy and improved by frost. **Pkt. 5c, oz. 20c, 1/4 lb. 60c, 1b. \$2.00.**

DANISH BALLHEAD CABBAGE.

For a winter cabbage for early spring sales some of our local gardeners consider this variety excellent. It is described as follows: It has been selected and perfected for more than fifty years by the Danish gardeners, who prize it so highly that they grow it almost exclusively for winter cabbage and annually export large quantities of it. It is a hard heading and long keeping cabbage. Heads round as a ball, solid, fine grained, has few outer leaves, tender, crisp and of unexcelled flavor. **Pkt. 5c, oz. 30c, 1/4 lb. 75c, 1b. \$2.50.**



Danish Ballhead Cabbage.

Our prices are for the seeds
prepaid by mail, if wanted
by express or freight at
purchaser's
expense 10c
per lb. may
be deduct'd
from
prices
quoted.

SUGAR CORN.



White Cob Cory.

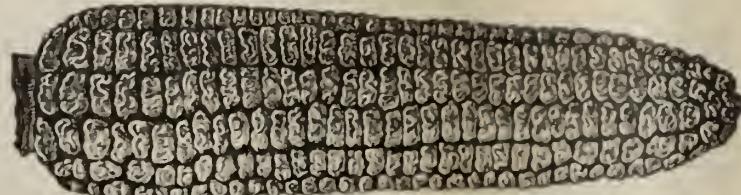
BALLARD'S OR CHICAGO MARKET—

The largest and best early corn in existence; 12-rowed; large eared; white cotted; of choice quality and exceedingly productive.

Pkt. 5c, pt. 15c, qt. 30c.

EXTRA-EARLY ADAMS—A very early field variety. Used at the South for a table corn. Quality good and very productive.

Pkt. 5c, pt. 15c, qt. 30c.

MINNESOTA—One of the standard early sorts. Ready for table two weeks later than Cory or Chicago Market. A very hardy sort. Most popular for home use. Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 30c.

Chicago Market or Ballard.



Extra-Early Vermont.

EXTRA-EARLY VERMONT—A very early 8-rowed sort, similar to White Cob Cory. No variety is earlier; no early sort is of better quality, and none more hardy or productive. A prize for market gardeners.

Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 30c.

COUNTRY GENTLEMAN—This is the variety par-excellence for quality. It is medium early; rows zig-zag; grain long; flavor beyond description; excellent for canning.

Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 30c.

EARLY BONANZA—A fine white cotted variety, as early as Perry's Hybrid, of fine quality and appearance. One of the best for the home garden.

Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 30c.

PERRY'S HYBRID—A standard early variety. Kernels tinged with pink when ripe, cob pink, as a rule, but sometimes white.

Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 30c.

PEE & KAY—A fine medium-early variety, of good size, fine flavor and very productive.

Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 30c.

RUSSELL'S PROLIFIC—One of the most prolific of all the medium-early sorts. For the home garden it is unexcelled. Quality choice.

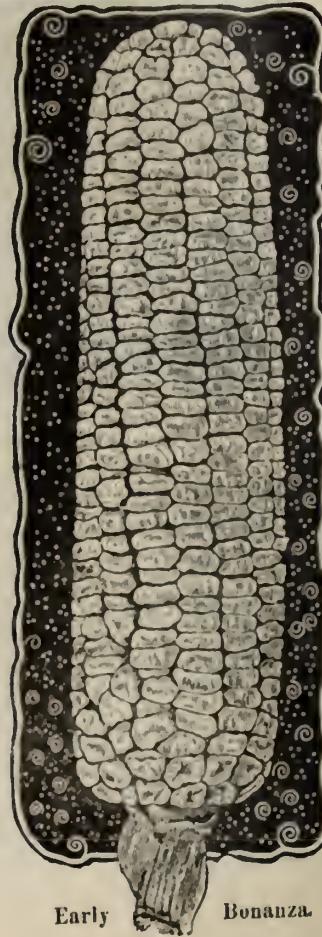
Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 30c.

BLACK MEXICAN—Were it not for its color, this would be the most popular of all sorts. Try it for your home garden, as nothing could exceed it for quality.

Pkt. 5c, $\frac{1}{2}$ pt. 10c.



Country Gentleman.



Early

Bonanza

SUGAR CORN.

NEW
CHAMPION
CORN.

This is the finest of all the new Sweet Corns. For the market it is unsurpassed, owing to its large size and handsome appearance.

IT IS 14-ROWED,

of the choicest quality, and is an abundant cropper.

ALL SHOULD TRY IT.

Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 30c.

CROSBY'S EARLY—
For many years this sort has been a standard one. The quality is choice, size large for an early. Pkt. 5c, pt. 15c, qt. 30c.

THE PRICES HERE QUOTED ARE FOR THE SEED POSTPAID BY MAIL. For bushel prices see bulk list page 50.



Crosby's Early.

MOORE'S EARLY CONCORD—A well-known early variety of large size. Grain large, twelve-rowed. Quality good. Much esteemed as a market sort.

Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 30c.

BURBANK'S EARLY MAINE.—It has a pure white cob with a rich, cream white kernel, sweet and juicy. Shows none of the red shade like Cory and Marblehead when cooked for the table. A fine ear of good size.

Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 30c.



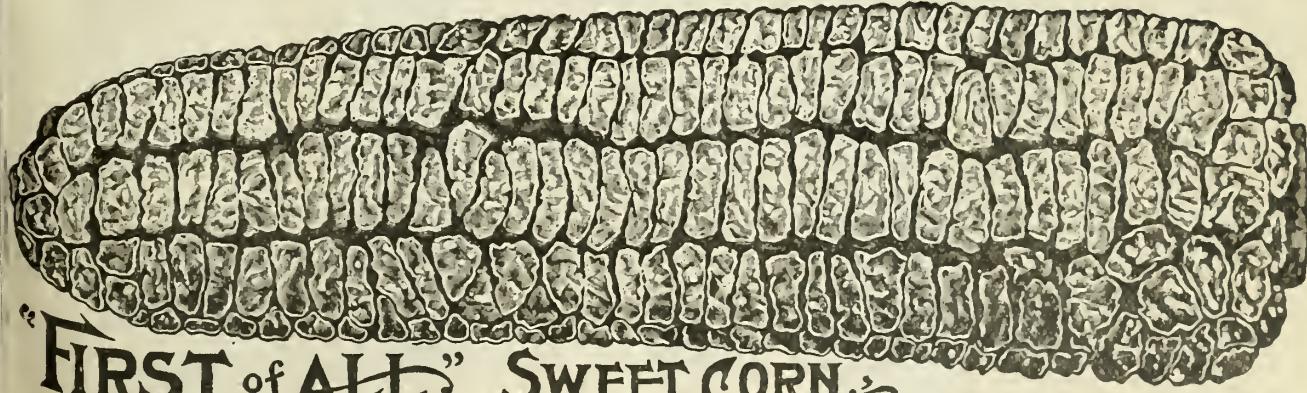
NEW CHAMPION SWEET CORN.



Old Colony.

OLD COLONY—The Old Colony is considered the best and sweetest by canning factories. It is a paying variety for market. It is two weeks earlier than evergreen and is about as large. Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 30c.

Our
Seeds
are all
Extra
Selected.



FIRST OF ALL—A fine new variety, fast gaining popularity for its earliness and good quality. Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 20c, qt. 40c.

EGYPTIAN, MAMMOTH SUGAR, HICKOX—Three standard sorts, needing no description. Sold at the uniform price of: Pkt. 5c, pt. 15c, qt. 30c.



Mammoth White Cory Sweet Corn

The introducers of this excellent corn say of it:

We have devoted a great deal of thought and labor to the improvement of sweet corn, and we feel well rewarded in being able to offer such a real improvement as this Mammoth White Cory.

**As Early as the Earliest and
No Extra Early Sweet Corn
will Compare with it in Size.**

The ears are twelve rowed, fully twice the size of the old Cory, white cobbed, and covered with very large, white grains of good quality. No other sweet corn will find ready sale in a market which is supplied with Mammoth White Cory, and the gardener who wishes to get the cream of the trade should make his plantings of this splendid novelty.

**Extra Early,
NOTHING EARLIER.**

**Extra Quality,
NOTHING BETTER.**

**Extra Large,
NOTHING LARGER.**

Pkt. 5c, $\frac{1}{2}$ pt. 15c. pt. 35c. qt. 40c.



Stowell's Evergreen Sweet Corn.

This standard main crop variety excels all other late sorts in sweetness and productiveness. It is more popular than any other for canning, for marketing and for the home garden. Great care has to be exercised in the selection of stock to grow seed from, as this variety has a tendency to deterioration and a shorter grain which makes it less sugary and desirable. To avoid dissatisfaction, all planters should seek seed which has been especially selected, and not buy anything that may be offered as Evergreen, at low figures. We have a large and growing trade among canners and market gardeners who must have a genuine Stowell's Evergreen, and our stock is known far and wide as the safest seed for all purposes. There has been in the past few years a tendency in the seed trade to disregard quality for the sake of low price, and this makes it necessary for seedsmen who give care to the selection of their stocks, to call especial notice to the fact. This is why we make some of the old standard varieties so prominent this season.

**LEONARD'S SELECTED SEED
ALWAYS SATISFACTORY.**

Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 30c.

FOR BUSHEL PRICES SEE BULK PRICE LIST.



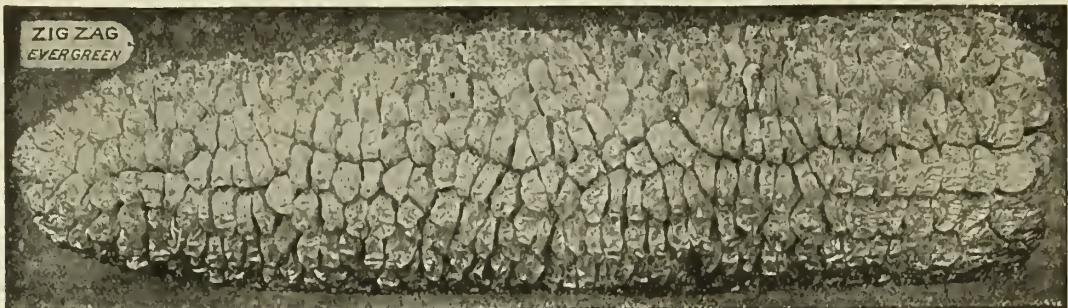
SUGAR CORN.

Please note that the prices quoted are for the SEED POSTPAID BY MAIL. If wanted in larger quantities, by express or freight, see SPECIAL BULK PRICE LIST, page 62.

NEW ZIG-ZAG EVERGREEN.

The illustration (taken from a photograph of a dried ear) gives a good idea of the character of this corn, which all unite in pronouncing the grandest and most distinct late corn ever sent out. Zigzag excels the Stowell's Evergreen in all important points. It is sweeter. It is much more productive (yielding two to four ears to the stalk), and it remains fit for use longer. The Michigan Agricultural Experiment Station writes: "Ears of good size and well filled out. It reaches maturity with the Stowell's Evergreen and continues to furnish edible corn longer than any corn we have ever tested. Its season this year extended over a period of three weeks when it was cut by frost. At that time it looked as green and vigorous as ever." Private planters and market gardeners who tried this corn will use no other late variety. For canning it is unequalled. Per pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c.

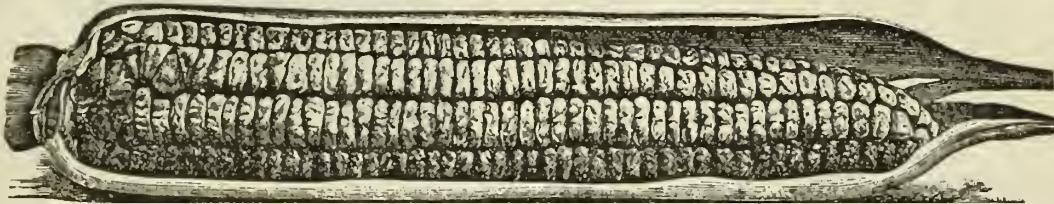
Our Stocks of Sweet Corn are grown from extra selected seed stock. Bear in mind that it takes proper selection to keep Corn pure.



KENDALL'S EARLY GIANT

A valuable new early Sweet Corn. The ears grow to a tremendous size, measuring eight to ten inches long, and having ten to eighteen rows on each cob, the majority having twelve rows; kernels pure white, sweet, tender. Pkt. 5c, $\frac{1}{2}$ pt. 20c, pt. 30c, qt. 40c.

LIVINGSTON'S EVERGREEN WHITE COB.



LIVINGSTON'S EVERGREEN WHITE COB—The Introducers say: "When we state that we worked industriously fifteen seasons to produce this corn, it will be quickly seen why we take such great pleasure in introducing it." To make a long story short, it is simply the old Livingston's Evergreen with a white cob instead of a red one. This removes the only objection ever urged against the old standby, which has stood its ground for over thirty years, notwithstanding its red cob. We presume we would be safe in saying that thousands of gardeners have expressed the opinion that if the Evergreen had a white cob it could never be surpassed as a market corn for table use. This new white cob strain lacks not one of the good qualities of the older sort from which it sprung, and we believe it will be endorsed by every Corn Grower, whether for home use or sale in market. Pkt. 5c, pt. 20c, qt. 35c.

NEW COLUMBUS MARKET.

Introduced last season, and over all the varieties of Sweet Corn now offered, the New Columbus Market possesses one great advantage, and that is its **very large size** for such an **early sort**. It comes into market with the second earlies, such as Pee and Kay, Shakers' Early, Livingston's Evergreen, etc., but is fully twice as large as any of them. Pkt. 10c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c.

POP-CORN.

It pays to raise Pop-Corn as a general crop. It is a sure crop, and the demand usually exceeds the supply. Some farmers claim that it is as easily grown as field corn and they receive three or four times the amount per acre for the crop. For main crop the Monarch White Rice will bring the best price per pound, as it is better known among the poppers. Let the children try a small patch anyway and for home use.

MONARCH WHITE RICE—The best white variety grown. It bears from three to six ears per stalk, weighs 38 pounds per bushel of ears when dry, and produces 1,500 to 2,500 pounds per acre. It will pay you to try it. Per pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c.

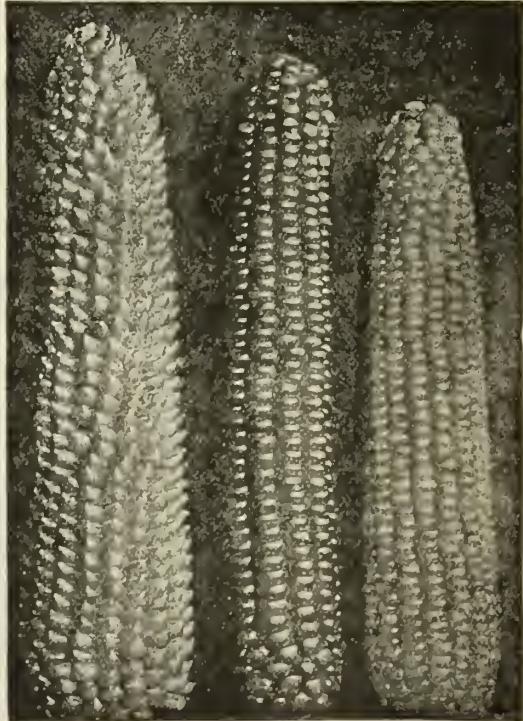
MAPLEDALE PROLIFIC—The most productive Pop-Corn, averaging five to twelve good ears to the stalk, as many as nineteen ears having been taken from a single stalk. Ears uniformly large. Pops to a large size and very tender. Per pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c.

QUEEN'S GOLDEN—Color, a peculiar lustrous golden yellow; when popped, of a rich cream color; very prolific. Per pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c.

FOR POPPING—We can furnish nice two-year-old Pop-Corn at 20c. per lb. postpaid. By express 5 lbs. or more at 5c. per lb.

See also page 73.

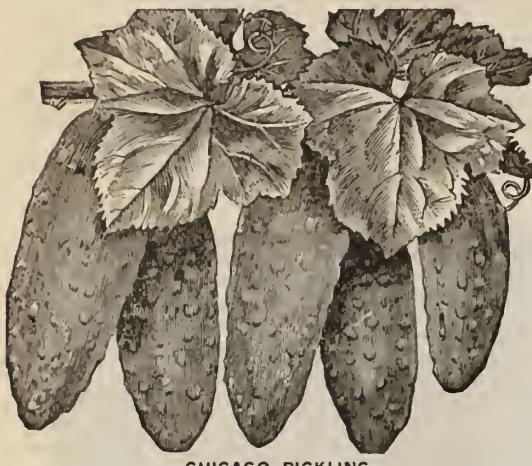
FOR FIELD CORN SEE PAGES 71 AND 72



WHITE RICE. QUEEN'S GOLDEN. MAPLEDALE PROLIFIC.

CUCUMBER.

The prices quoted below are for the **SEED POSTPAID BY MAIL**. If ordered by express or freight, DEDUCT 10 CENTS PER POUND. Write for special prices for large quantities.



CHICAGO PICKLING.

Early Frame.—An old and popular variety of medium size, straight and handsome. Excellent for pickles when young. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Early Cluster.—A much esteemed early sort, growing in clusters, and extremely productive. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Improved Early White Spine.—A favorite market variety, of medium size, light green, flesh crisp and of fine flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Extra Long White Spine.—A longer variety of the preceding and dark green in color. Largely used for forcing by market gardeners. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Long Green.—A fine long fruit, of excellent quality, dark green, firm and crisp. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Green Prolific.—One of the best pickling sorts. Its characteristics are its very uniform growth, hardly ever yielding cucumbers too large for pickling, and in its immense productiveness. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Early Russian.—The earliest variety. Fruit produced in pairs. Small, hardy and productive. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Taliby's Hybrid.—An excellent variety for family use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Boston Pickling.—Largely used about Boston by market gardeners. A very productive kind of superior quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.



NEW ASTRO CUCUMBER.

This is described by its introducers as follows: A novelty of the highest merit, and one which has greatly pleased our market garden customers, some claiming that they made more money from a crop of these grown

early in the hot beds than from any other crop, as they sell quickly at \$1.00 per dozen. They do excellently well under glass, yielding a continual daily picking of large, perfect shaped fruits, eight to twelve inches long, almost solid throughout. Excellent for slicing, solid and crisp. With common outdoor culture in the summer it produces large cucumbers fifteen to eighteen inches in length with very few seeds. Seed will always be expensive, as it produces only eight to twelve pounds per acre. In packets only, containing twenty seeds each. Pkt., 10c.; \$8 for 25c.

West India Gherkin, or Burr.—Used only for pickles. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Ger., Gurke.—Fr., Concombre.—Sp., Cohombro.—Cucumbers succeed best in warm, rich, sandy loam ground. They should not be planted in the open air until there is a prospect of settled, warm weather, in the vicinity of Chicago about the middle of May. Plant in hills, about four feet apart each way. The hills should be previously prepared by mixing thoroughly with the soil of each a shovelful of well-rotted manure. When all danger from insects is past, thin out the plants, leaving three or four of the strongest to each hill. The fruit should be gathered when large enough, whether required for use or not, as, if left to ripen on the vines, it destroys their productiveness.

Westerfield Chicago Pickle.—Very extensively grown by Chicago market gardeners, and largely used in our pickle factories. It is now recognized as the best pickling cucumber. The young fruits are short, crisp, coarsely prickled and of a deep green color, which they retain after pickling. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Arlington White Spine.—A remarkably fine strain, growing very even in size and regular in form. It is especially recommended to market gardeners from the fact that the first set on the vines is usually even in form and size and continue so through the season. Retains its color longer than any other. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Nichol's Medium Green.—This new variety has been pronounced unequalled as a pickle sort, while it has also been greatly praised as an early market variety. Per pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.



THE EMERALD CUCUMBER.

“THE EMERALD.”

The Emerald retains every good point in the best strains of White Spine, and in addition, possesses that rich dark green color which has so long been sought for but never before obtained. It is strictly an evergreen, retaining its color until fully ripe. On sight, its distinct dark green and spineless skin attracts the attention and admiration of every one interested. Its fruit sets early, and its vigorous vines abound in long, straight, handsome fruits of most desirable qualities. The flesh being peculiarly crisp and tender, and the flavor delicate, highly recommend it as a slicer. The young fruit being dark green, straight and tender, makes an excellent pickle, and when ripe none excel it for making sweet pickles. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 50c.

Giant Pera.—A long, smooth, straight, dark green cucumber, attaining a length of 28 inches. Flesh white, crisp, tender and free from all bitterness. It requires a rich soil and to be grown quickly, in order to bring it to perfection. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.



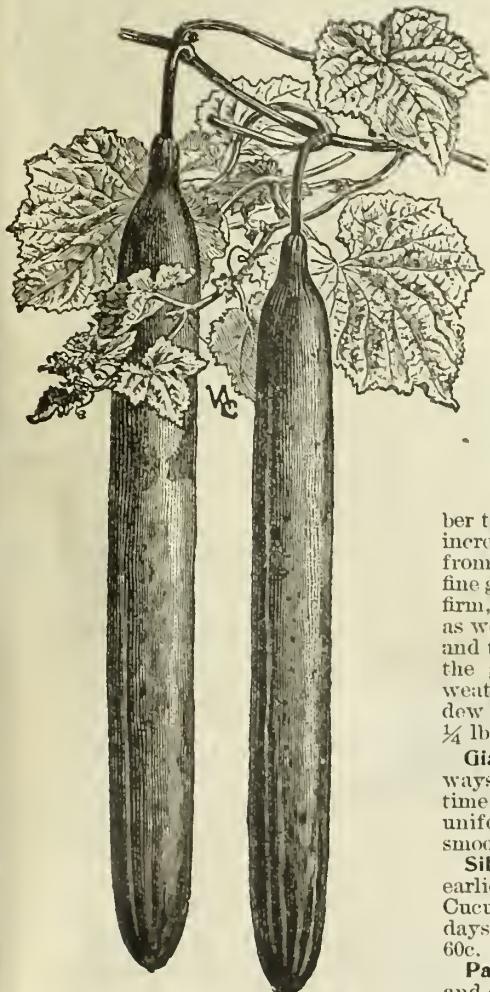
GIANT PERA.

CUCUMBER.

English Frame or Forcing Cucumbers.

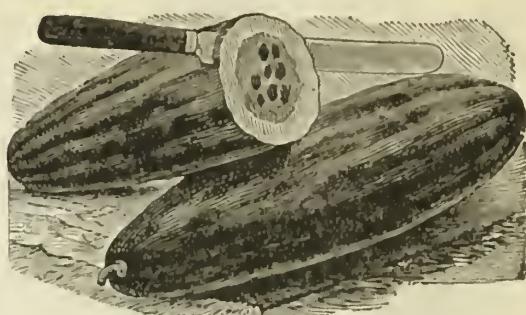
Telegraph..... Pkt. 15c. | Duke of Edinburgh..... Pkt. 10c.
 Lord Kenyon's Favorite... " 10c. | Cuthill's Black Spine..... " 10c.

White Wonder—This Cucumber grows about 8 inches long and 2 inches thick, color, ivory white, the flesh is very solid and of very fine flavor. It remains in good condition for a long time. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 70c.



English Forcing Cucumber Telegraph.

The fruits are of the deepest green, which combined with its brittle crispness render it an ideal pickle. When in the pickling stage the Cucumbers show no sign of seed.



Cool and Crisp.

The skin is a very dark green, almost black, and covered with knobs, upon which the spines set, which gives the pickles a very attractive appearance. They are very early and prolific. As a cucumber for slicing, it is splendid.

Cool and Crisp.
 Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. \$1.00.

Japanese Climbing Cucumber—This is a strong and vigorous grower, the vines attaining nearly twice the length of common varieties. The young plants are bushy, but as soon as they become well established they begin to climb, and may be grown on fences, poles or trellises, thus saving much valuable space in small gardens or where land is dear. It is estimated that with this Cucumber the product of a given area can be increased three-fold. The fruits are from 10 to 12 inches in length, of a fine green color, the flesh is thick and firm, never bitter, and fine for pickling as well as slicing. It is very prolific, and the fruits being raised well above the ground, never suffer from wet weather or insects; proof against mildew; bear till late. Pkt. 10c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.50.

Giant White—The fruits are always of a pure waxy white from the time they are first set until matured; uniform, straight and perfectly smooth. Pkt. 5c, oz. 20c.

Siberian—This has proved to be the earliest sort in cultivation, producing Cucumbers 5 inches long in about 55 days. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Parisian Prolific Pickling—A slim and slender pickle, from 3 to 5 inches long, covered with black, hairy spines.



Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.



Hill's Forcing—An extra early, improved strain of white spine. It is of very uniform size and shape, very productive, of extra fine flavor, and equally valuable for frame culture and out doors. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

Evergreen White Spine—A new and improved strain of the well known White Spine, and fast becoming the favorite with market gardeners, both for forcing and outdoor culture. It differs from the ordinary White Spine in the fact of always remaining of a deep green color in all stages of growth. Altogether it is a most welcome and valuable acquisition for pickling, market or home use, and should be tried by all who have a garden. Pkt. 5c, oz. 10c, lb. 60c.



New Golden Self-Blanching Celery.

PERFECTION HEARTWELL—A hardy and excellent variety. A good keeper of the finest flavor.

Pkt. 5c, oz. 20c, lb. \$1.75.

CRAWFORD'S HALF DWARF—This variety is the most popular one in the New York markets. Fine flavor.

Pkt. 5c, oz. 20c, lb. \$1.50.

DWARF WHITE SOLID—A fine

large solid sort, excellent keeper, and of good quality.

Pkt. 5c, oz. 20c, lb. \$1.75.

KALAMAZOO—This is the variety that is used by the noted growers of Kalamazoo, Mich. A fine white variety of great merit.

Pkt. 5c, oz. 20c, lb. \$1.50.

NEW ROSE—The best of the red varieties. All the red sorts are of superior flavor.

TRY IT.

Pkt. 5c, oz. 25c.



Kalamazoo.

CELERY

PLEASE NOTE that our prices are for the seeds postpaid by mail. If wanted by express or freight, at purchasers' expense, 10 cents per pound may be deducted from prices quoted.

GOLDEN SELF-BLANCHING—The best Self-Blanching sort. A most important acquisition. Its close, compact habit of growth makes it desirable for the market garden. Its handsome golden color, which it acquires without being hilled up, makes one of the most desirable early kinds.

Pkt. 5c, oz. 25c, lb. \$2.50.

GIANT PASCAL—A fine large ribbed solid variety of exceedingly nutty flavor. It is one of the best keeping of all the later sorts.

UNEXCELED FOR MARKET GARDENERS.

It is one of the best for main crop, and for home use it can be more easily grown than any of the other varieties.

Pkt. 5c, oz. 20c, lb. \$1.75.



Giant Pascal.

GIANT GOLDEN HEART

—This variety is the most popular in the vicinity of Chicago.

VERY LARGE SIZE.

A good keeper of finest flavor.

TRY IT.

Pkt. 5c, oz. 20c, lb. \$1.75.



Golden Heart.

WHITE PLUME—The earliest sort; very good for fall use; does not keep well after Christmas; self-blanching.

Pkt. 5c, oz. 25c, lb. \$2.00.

BOSTON MARKET—This Celery is a great favorite in the Boston markets.

Pkt. 5c, oz. 20c, lb. \$1.50.

FLAVORING CELERY—Used for flavoring soups, stews, etc.

Oz. 5c, lb. 40c.



Large Smooth Prague.

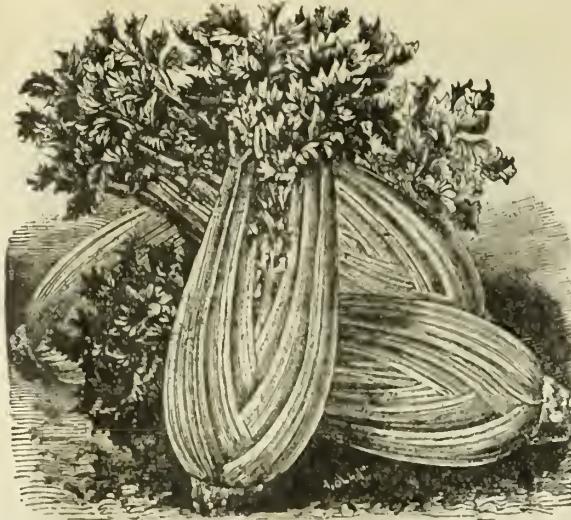
CELERIAC.

LARGE SMOOTH PRAGUE—The finest Celeriac; large smooth root. The rooted Celeries are much esteemed by those who know them.

Pkt. 5c, oz. 20c.

APPLE-SHAPED—Of good form. Not so smooth as above. Pkt. 5c, oz. 15c.

TURNIP-ROOTED—The ordinary and well-known variety. Pkt. 5c, oz. 15c.



EVANS' NEW TRIUMPH CELERY.



LEONARD'S MARKET GARDEN CELERY.

"This new variety is an advance in celeries that merits more than ordinary praise: it is an intermediate between white and red celeries, combining the good qualities of both. Pink Plume is practically identical with our famous White Plume, but with the added merit of the stalks being exquisitely suffused with pink and possessing the crispness, rich nutty flavor and long keeping qualities for which red celeries are noted. Pink Plume is also remarkably attractive when trimmed for the table. The solid succulent stalks are ivory white suffused with dainty pink, which not only delight the eye, but tempt the palate of the epicure. Pink Plume Celery is a strong, healthy, compact grower, with no tendency to rust; stems very solid and crisp, extra early and a long keeper, remaining, when properly trenched, in perfect condition away into the spring. The variegation on the tops does not show quite as early as the White Plume, but the celery blanches and matures really a little earlier. It is a self-blanching variety in the same sense that White Plume and Golden Self-Blanching are—that is, it requires but a slight earthing up or banking to prepare this variety for the table.

We have introduced into cultivation many new vegetables which have become indispensable, but never an applicant to the gardening world with more confidence in its ability to win a permanent place than Pink Plume Celery."

Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

EVANS' NEW TRIUMPH CELERY.

For solidity, crispness, and fine nutty flavor, it has no equal. It is very brittle, good size, and creamy white in color. A remarkable keeper—it can be kept as far in the spring as April or May. Also most economical, every particle can be eaten. For market gardeners for late use it is the most profitable. It will blanch beautifully, and be fit for the table at Christmas. Pronounced by connoisseurs and chefs to be the finest celery they have used. We recommend this sort as worthy of the first place as a late celery. It requires the whole season to develop and we are sure it will become very popular as soon as known. Pkt. 5c, oz. 30c, 2 oz. 50c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

NEW RED PASCAL CELERY. Large ribbed, has all the qualities of the Pascal, from which it sported, and is even better than it, in that the ribs are thicker and stiffer. A vigorous, hardy plant, excellent quality, tender and an extra good keeper, remaining solid however late they are used. Pkt. 5c, $\frac{1}{2}$ oz. 20c, oz. 35c, $\frac{1}{4}$ lb. \$1.00.

Celery Plant list will be found on page 113. We handle large quantities of these plants during the season. They are grown by an experienced market gardener from seed furnished by us, and can be relied upon as being as good as can be had anywhere.

Leonard's Market Garden Celery

It is well known that the celery growing industry in the vicinity of Chicago is one of great importance, and that it is carried out on a very extensive scale. There have been many improvements made by the large growers upon some of the old standard varieties of celery, notably upon the Dwarf Golden Heart. By selection for a number of years one of the growers gave us an improved variety of that standard sort which was listed as Giant Golden Heart, and it has now become a standard sort. In Leonard's Market Garden Celery we have another of the many improvements which promises to be one of the best additions to the list ever offered. It is a cross between Giant Golden Heart and Perfection Heartwell; it combines the good points of both with the addition that it keeps better than either. It is more Dwarf than Giant Golden Heart and taller than Perfection Heartwell. The Rogers Park and Calvary growers consider it the best celery they have ever grown.

Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Try the
Four.
Packet of
Each, 15c.

New Celery, "Pink Plume."

The introducers have the following to say about this new Celery, all of which we can endorse from our own tests:



CRESS OR PEPPER GRASS.

GER. *Kresse*. FR. *Cresson*. SP. *Berro o Masteurzo*.

A well-known pungent salad. Requires to be sown thickly and covered very slightly, at frequent intervals, to keep up a succession, as it soon runs to seed.

Extra Curled. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

WATER-CRESS.

Water-Cress may be grown in any moist situation, but more successfully by the edge of a running brook. The seed may be sown in May, on the ground where it is intended to be grown, and the thinings transplanted. The plants should be set not less than a foot apart. The Cress will be fit for gathering the second year.

Water-Cress, Common. Per pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25.

— Erfurt. More highly esteemed than the ordinary variety, being less pungent and of a more agreeable flavor. Per pkt. 15c, oz. 75c.

DANDELION.

GER. *Pardeblume*. FR. *Pissenlit*. SP. *Amargon*.

The Dandelion affords one of the earliest and most healthful spring greens or salad. It is best when blanched. The roots, when dried and roasted, are often used as a substitute for coffee.

Sow early in spring, in drills 18 inches apart, and thin out to 6 inches in the drills. Keep clear of weeds, and the following spring it will be fit for the table.

Dandelion, French. Per pkt. 5c, oz. 20c.

Improved, Large Leaved. A new, thick-leaved variety, of great productivity and fine flavor. Per pkt. 10c, oz. 50c.



NEW WHITE EGG PLANT. THE "PEARL."

EGG PLANT.

The Pearl. A new white variety, which the introducer describes as follows: "We never supposed that a White Egg Plant could be developed to fully equal in size and quality the popular New York Improved Large Purple. But here it is! It comes from Georgia, and at Fordhook produced magnificent 'eggs,' as large and fine as we have ever seen of any variety, with an attractive pure white skin. The plants are remarkably productive, and the fruits are of finest quality, either baked or fried." Per pkt. 10c, oz. 45c.

Black Pekin. A fine variety, bearing large, round, deep purple fruits, fine grained, and of superior quality. Per pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.50.

Early Long Purple. Early, hardy and productive; excellent for the table. Per pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

Leonard's Improved New York Purple Spineless. Very large and smooth, fine dark color. Ours is the spineless plant, most preferred by our market gardeners, both east and west. We have made the most careful selection possible of our stock plants, and know it to be unsurpassed for the market. Lb. \$4.50, $\frac{1}{4}$ lb. \$1.25, oz. 40c.



GREEN CURLLED ENDIVE.

ENDIVE.

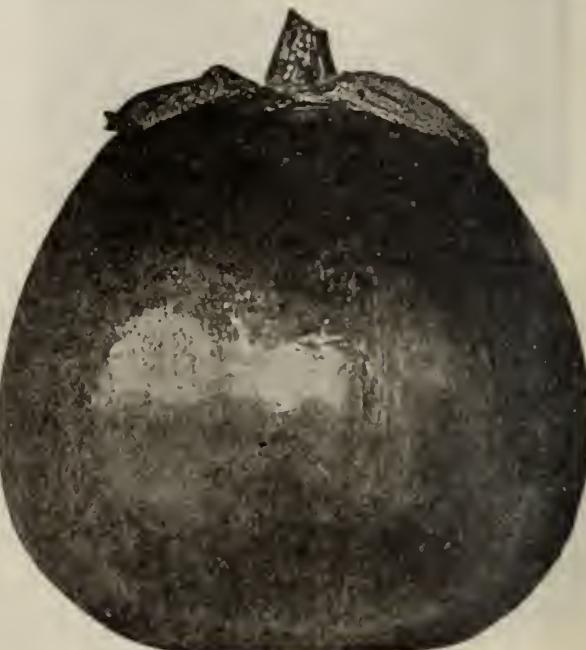
GER. *Endivien*. FR. *Chicoree*. SP. *Endiria*.

Green Curled. Beautifully curled, tender and crisp. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.50.

Moss Curled. More finely curled, and a heavier and more dense plant than Green Curled. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.50.

White Curled. Very tender when cut young; blanches readily. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.50.

Broad-Leaved Batavian. (Escarrole.) This variety is chiefly used in soups and stews; requires to be tied up in blanching. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.50.



IMPROVED NEW YORK SPINELESS EGG PLANT.



GARLIC.

ONION SETS
are on page 45

GARLIC.

RHUBARB
Roots...page 60

A bulbous rooted plant, with a strong, penetrating odor, but much esteemed by some for flavoring soups, stews, etc. We frequently receive orders for garlic seed, but we can only supply bulbs. Prepare the ground the same as for onions, and plant the bulbs in drills eight inches apart, and four inches apart in the rows, and cover two inches deep. When the leaves turn yellow, take up the bulbs and dry in the shade, and lay them up in a dry loft, as you would onions. Bulbs, $\frac{1}{4}$ lb. 15c, lb. 40c.

HORSE RADISH.

Horse Radish produces no seed, but is grown from pieces of the roots. CULTURE—Mark off rows two and one-half feet apart in rich, moist, well prepared ground, and set the pieces of roots eighteen inches apart in the rows, vertically, the small end down, and the top one to three inches below the surface. Cultivate thoroughly

until the tops cover the ground, when their shade will keep down the weeds.

Small Roots, 25c. per dozen, postpaid. By freight or express at purchaser's expense, \$1.00 per 100. \$6.00 per 1000.



Horse Radish.

HERBS---SWEET, POT AND MEDICINAL.

	Pkt.	Oz.	Lb.
Annis.	.5c.	15c.	
Balm.	.5c.	25c.	
Basil.	.5c.	10c.	
Borage.	.5c.	10c.	
Caraway.	.5c.	5c.	
Coriander.	.5c.	5c.	
Dill.	.5c.	50c.	
Fennel.	.5c.	25c.	
Horehound.			\$1.00

	Pkt.	Oz.	Lb.
Hyssop.	.5c.	25c.	
Lavender.	.5c.	15c.	
Sweet Marjoram.	.5c.	15c.	\$1.50
Rosemary.	.5c.	40c.	
Rue.	.5c.	25c.	
Sage—Broad Leaf.	.5c.	20c.	2.00
Saffron.	.5c.	15c.	
Savory, Summer.	.5c.	25c.	
Thyme5c.	20c.	

Send for some of that new
Paul Rose Melon...page 37

KOHL RABI.

See Leonard's Yellow Globe
Onion...page 4

The Kohl Rabi is a vegetable intermediate between the cabbage and turnip, and combines the flavor of both. The edible part is a turnip shaped bulb formed by the swelling of the stem. When used for the table this should be cut when quite small, as it is then very tender and delicate, but if allowed to reach its full size it becomes tough and stringy.

CULTURE—Sow in light, rich soil, as early as possible, in drills 16 inches apart, and when well established, thin to 6 inches apart in the row. One or two plantings at intervals of ten days will give a succession until hot weather, when they fail to grow well; but plantings may be made the latter part of July for fall use.

EARLY WHITE VIENNA—Very early, small, handsome white bulb. Best early variety for table. Pkt. 5c, oz. 20c, 2 oz. 25c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

EARLY PURPLE VIENNA—Nearly identical with the last, except in color, which is a bright purple, with the leaf stems tinged with purple. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.

LARGE GREEN—Hardy, quite late, and used for feeding stock. Bulbs large, weighing eight to ten pounds, whitish-green in color: leaves large and numerous. Pkt. 5c, oz. 10c, 2 oz. 20c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.



Kohl Rabi.

When buying by the pound or
bushel always look at
Bulk List

KALE.

Our Bulk Price List is on
pages 61 and 62

Borecole, Kale or German greens, are general terms applied to those classes of cabbage which do not form heads, but are used in their open growth. Some of the varieties are the most tender and delicate of any of the Cabbage tribe. They are hardy and are improved rather than injured by the frost.

CULTURE—As far north as New York they may be sown in September and treated like Spinach, or they may be planted and treated like late Cabbage and will continue growing until very late in the season. In the South they will live and grow throughout the winter without protection. They should not be cut or handled when frozen, but if this is unavoidable, thaw them out in cold water. The young shoots which start up in the spring from the old stumps are very tender and make excellent greens.

TALL GREEN CURLED SCOTCH—This is very hardy, and improved by a moderate frost. About thirty inches tall, with an abundance of dark green leaves, which are densely curled and cut, forming a very beautiful plant. It stands the winters in the middle states without any protection. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 20c, lb. 60c.

DWARF CURLED SCOTCH—Plant low and compact, but with large leaves curled, cut and crimped until the whole plant resembles a bunch of moss. It would be well worthy of cultivation simply for its beauty. One of the best sorts for use, and when well grown and cooked is one of the most palatable of vegetables. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 25c, lb. 75c.

HALF DWARF MOSS CURLED—A variety intermediate between the tall and dwarf, having much of the hardiness of the tall and the beauty of the dwarf sorts. Pkt. 5c, oz. 10c, 2 oz. 20c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

SIBERIAN—Sometimes called "Sprouts" and "German Greens." In this variety the very large green leaves are comparatively plain in the centre, but coarsely cut and frilled on the edge. The plant is low, but spreading and very hardy. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 20c, lb. 60c.

GERMAN DWARF PURPLE—Similar to the Dwarf Curled Scotch, but of a rich purple color. Pkt. 5c, oz. 15c, 2 oz. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.



Green Scotch Kale.



BLACK SEDED SIMPSON LETTUCE.

Black Seeded Simpson.—This is the favorite with the Chicago gardeners for forcing and early out-door culture. It is double the size of the ordinary Simpson, and has a very handsome appearance. It stands the summer well, and we highly recommend it for family use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

Early Curled Silesia.—A fine early curled variety, which does not head; leaves large and tender, of fine flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

Early Curled Simpson.—This does not head, but forms a close, compact mass of leaves; very early, excellent for forcing. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

Boston Market.—White seed, hardy and crisp. The earliest heading variety; one of the best for forcing. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

Boston Curled.—Of superior quality; does not form solid heads; fine for early use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c.

All the Year Round.—A very hardy, compact variety, white, solid and crisp. For summer or winter use, or for forcing, this variety is unsurpassed. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.



DENVER MARKET LETTUCE.

Black Seeded Butter.—Similar to Tennis Ball, but larger. Used extensively as an outdoor variety. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

Oak-Leaved.—A very superior new variety, both in quality and appearance; leaves light green, oak-shaped, slightly curled, set close, having no coarse stems; of fine flavor and extreme tenderness. Pkt. 5c, oz. 15c.

Hanson.—Heads very large, from two to three pounds each; hearts quickly and stands the summer well; quality excellent. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.

Big Boston.—This variety is identical in color, shape and general appearance with the famous Boston Market Lettuce, but is double the size. It is about one week later in maturing, but its solidity and greater size of head will make it a most valuable sort. A most desirable variety either for forcing in cold frames or open-ground planting. The "Big Boston" is sure to be wanted by market gardeners and trucksters, because it always produces large, solid, salable heads, and it will commend itself to amateurs because it heads up well at all seasons of the year, and is of crisp, tender quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

Yellow Seeded Butter.—This withstands summer heat well, and remains in head long before running to seed. It is a very distinct sort, making a large, dense yellow head, very crisp and tender, and excellent in flavor. Its beautiful yellow heart gives it a very handsome appearance. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

Brown Dutch.—Very hardy. One of the best for winter use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

LETTUCE.

St. Louis Head.—The most popular and satisfactory Head Lettuce with the Chicago market gardeners. It forms a fine head, is tender and crisp, and is very slow to run to seed. Outer leaves are light green, and the inner ones are bright creamy-yellow, of a very fine flavor. Altogether, we recommend it as being the best Head Lettuce for general use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.



ST. LOUIS HEAD LETTUCE.

Denver Market, or Savoy.—An early variety of Head Lettuce, either for forcing or open ground. Forms large, solid heads of a desirable light green color. The leaves are beautifully marked and blistered (like Savoy Cabbages), and are very crisp and tender; flavor excellent. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

Tilton's White St. L.—A universal favorite with gardeners for forcing or outdoor planting on account of having enormously large heads, bright color, crispness and long keeping qualities. Valuable slipping sort, as it remains a long time in condition for use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

Buttercup.—The plant is very distinct and attractive; leaves of a beautiful yellow color, and very sweet and tender. The plants are vigorous; do not run to seed until very late, and remains in condition for use as long as any other sort. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

Silver Ball.—One of the best all the year round Lettuce we know of. A variety of excellent qualities, as good for early spring and summer use as for winter forcing. The heads are silvery white, very firm and compact, with beautifully curled leaves. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

Prize Head.—Forms a mammoth plant, in which even the outer leaves are crisp and tender, and remain so through the season. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

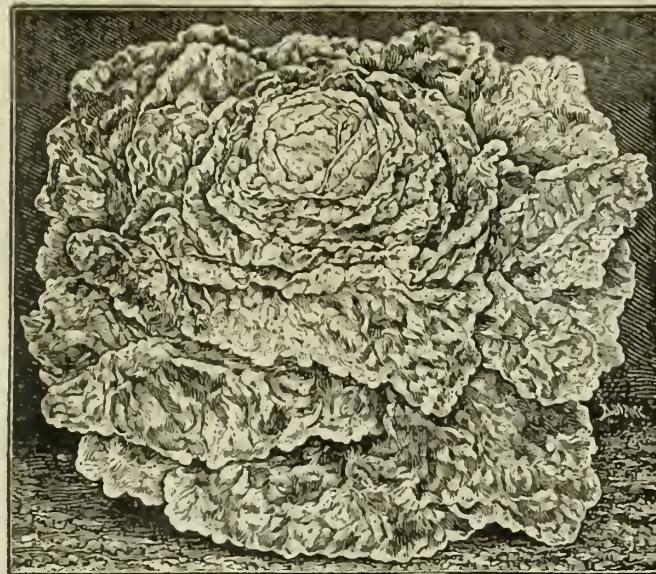


BUTTERCUP LETTUCE.



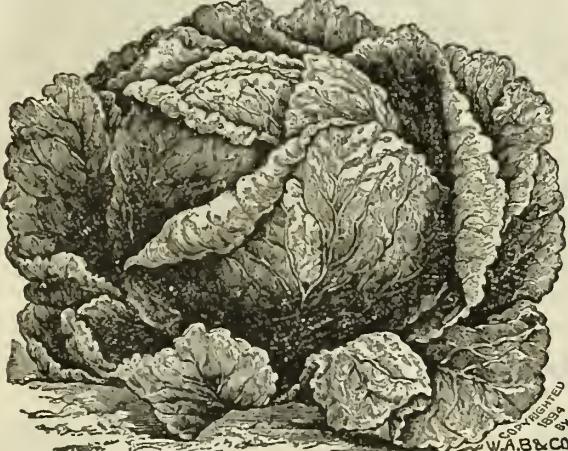
BIG BOSTON LETTUCE.

BIG BOSTON LETTUCE.



THE MORSE LETTUCE.

GRAND RAPIDS LETTUCE.—This variety is especially adapted for green-house culture in winter; it is also a good lettuce to sow outside early for family use. It is the result of fifteen years' selection from the Black-Seeded Simpson, which is generally recognized as the standard for forcing for the home market. It is superior to and more beautiful in appearance than the Simpson. It is of rapid upright growth; may be planted close; not liable to rot, standing several days after being ready to cut without injury; retains its freshness a long time after being cut, hence much sought after by dealers, especially shippers; its quality is very desirable. **Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. \$1.00.**



THE DEACON LETTUCE.



ICEBERG LETTUCE.

ICEBERG.—A beautiful lettuce. Large curly leaves of bright, light green, with a very slight reddish tinge at the edges. The unusual solidity of the heads is insured by the large, white main ribs of the leaves, each of which curve strongly to the center, making it impossible for the leaves to open outward and expose the center, which is constantly thoroughly blanched. **Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. \$1.00.**

CHARTIER.—It makes a very large firm head, almost as hard as a cabbage, is very tender and crisp, and has a peculiar fine flavor. It is of a beautiful green color, and the outer edges of the leaves are tinged with brown. It withstands the summer heat well and is slow to run to seed. **Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. \$1.00.**

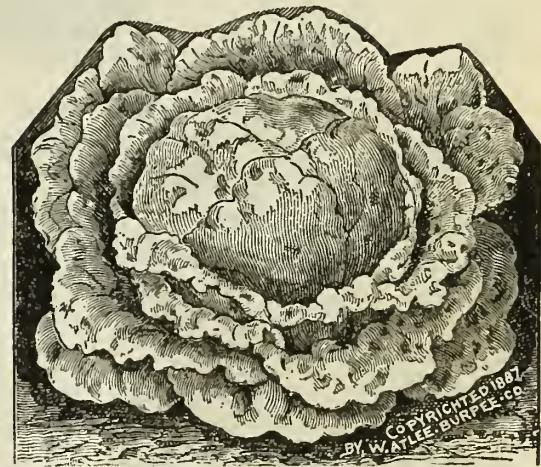
LETTUCE.

THE MORSE.—A most excellent Lettuce both for early spring and summer use. While it is not a hard-heading cabbage lettuce, each plant makes a very large bunch of leaves, which are so compact as to cause the inner leaves to blanch. The outer leaves are of a clear light green, while the inner ones are a beautiful yellow or straw color. It is particularly crisp, tender and refreshing to the taste. **Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. \$1.00.**

GREEN FRINGED, or California Curled.—This ornamental sort is of a very delicate and peculiar shade of green, the inner parts of the leaves white, with edges beautifully cut and fringed. **Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. \$1.00.**

TENNIS BALL BLACK-SEEDED.—A favorite forcing variety, and, as the name indicates, forming a hard head. It makes but few outer leaves, and for this reason can be planted quite closely under glass, from six to seven inches apart. It is the variety so largely used in our hot beds and forcing pits, and in green-houses. **Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. \$1.00.**

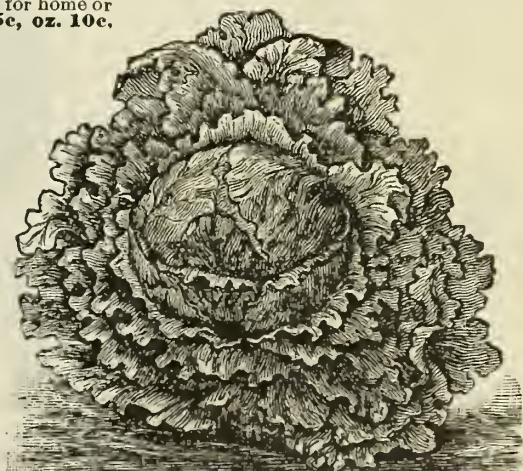
PARIS WHITE COS.—The Cos Lettuce differs entirely in shape from the other varieties, the head being elongated and of conical form, eight or nine inches in height and five or six inches in diameter. The outer coloring of this variety is yellowish green. To be had in perfection it requires to be tied up to insure its blanching. Millions of this variety are annually grown to supply the markets of London alone. **Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. \$1.00.**



CALIFORNIA CREAM BUTTER LETTUCE.

CALIFORNIA CREAM BUTTER.—A grand, good butter lettuce. The heads are of good size, round and solid; outside medium green, within the leaves are a rich cream-yellow color. Rich and buttery in taste. **Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. \$1.00.**

THE DEACON.—A magnificent Butter-Head Lettuce. It stands the hot weather without becoming bitter or running to seed, and bears fine large heads of superb quality. Light green outside, and within a beautiful cream-yellow of delicious, rich, buttery flavor. Highly recommended for home or market use. **Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. \$1.00.**



CHARTIER HEAD LETTUCE.

MELONS

THE PRINCESS—One of the finest musk melons grown. For home use none is better. It is also good for home market, but will not stand shipping.

Pkt. 5c, oz. 10c, lb. 50c.

SKILLMAN'S NETTED—A fine early melon, of sweet musky flavor.

Pkt. 5c, oz. 10c, lb. 50c.

EMERALD GEM—A choice melon for home use. Size medium, of fine appearance. Flesh juicy and delicious.

Pkt. 5c, oz. 10c, lb. 50c.

NETTED GEM—The best early melon grown. Shipped into every market of note. Small sized, but of exquisite flavor.

Pkt. 5c, oz. 10c, lb. 50c.

JENNY LIND—A good early melon. Very popular.

Pkt. 5c, oz. 10c, lb. 50c.



Princess.



The Osage.

NEW EARLY HACKENSACK—A green-fleshed nutmeg, of splendid quality. It is very early and a prolific bearer.

Pkt. 5c, oz. 10c, lb. 50c.

MILLER CREAM—This variety is similar to the Osage.

Pkt. 5c, oz. 10c, lb. 50c.

WHITE JAPAN—A well-known sort of light color. Flavor good. In some sections is used largely.

Pkt. 5c, oz. 10c, lb. 50c.

THE OSAGE—This is one of the finest all-around melons in existence. Unexcelled for shipping. Skin dark green, almost black. Very slightly netted. Flesh rich salmon.

Pkt. 5c, oz. 10c,
lb. 50c.

CHICAGO MARKET—A standard green-fleshed nutmeg melon. The favorite on the Chicago market. For many years it has held its own against all comers.

Pkt. 5c, oz. 10c,
lb. 50c.



Chicago Market.

BANQUET—A delicious melon for family use, or for fancy trade. Prolific bearer. Fruits medium size; very handsome.

Pkt. 5c, oz. 10c, lb. 60c.

SURPRISE—A good melon; skin light colored; flesh a light salmon; quality choice.

Pkt. 5c, oz. 10c, lb. 50c.

DELMONICO—One of the very finest in flavor. A good variety for the home garden. Not a good shipper. Grown largely by the local gardeners of large cities for the hotels.

Pkt. 5c, oz. 10c, lb. 60c.

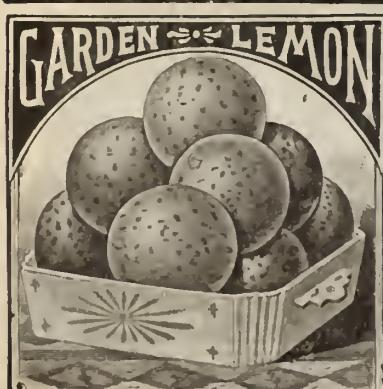


Ornamental Pomegranate.

EVERYONE WANTS THESE.

**VINE PEACH, GARDEN LEMON
AND
ORNAMENTAL POMEGRANATE**

Pkt. of either 5c. All three for 10c.



The Best Basket Melon.



New Paul Rose.



Is monstrous size, cream-yellow, very early, absolutely distinct and pure, with seeds more than twice as large as other sorts. A whole field of them will average 18 to 20 lbs each, and select specimens 25 to 30 lbs. Deliciously sweet and luscious, with fine, melting, thick, salmon color flesh. Never stringy. The flavor pleasant; not high, nor rank. True stock, direct from grower. $\frac{1}{4}$ lb. 50c. oz. 15c, pkt. 5c.

25 LBS.

Newport Musk Melon—A very choice flavored melon, similar to Hackensack in appearance, though smaller in size. Flesh green, thick, juicy and delicious. A great favorite for hotel and fancy trade. Should be in every garden. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 75c.

The Columbus Musk Melon—Very delicious; a remarkable melon. It grows to a large size, has a very handsome and striking appearance, is very distinct. On the markets where known it sells on sight. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Tip Top Musk Melon—A new yellow fleshed melon of very distinct appearance, unequalled for uniform good quality, every fruit produced, whether large or small, is a good one. It will please all who use it. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Melrose Musk Melon—This new melon is very hardy, strong and vigorous. The vines remain green longer than any other sort. It is very early in the season and of extra choice quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

OTHER STANDARD MUSK MELONS

which we supply at these uniform prices: Pkt. 3c, oz. 7c, $\frac{1}{4}$ lb. 18c, lb. 60c.

PERFECTION.
IRONDEQUOIT.
BAY VIEW.
NETTED BEAUTY.
LONG ISLAND BEAUTY.
THORBURN'S GIANT.
NEW ORLEANS, OR CREOLE.
EXTRA EARLY NUTMEG.
IMPROVED CANTALOUP.
EARLY NUTNEG.
BANANA.
TRIUMPH.
SUPERIOR.
MONTREAL MARKET.

Large Hackensack.

Large Hackensack—The most popular variety of muskmelon grown for market by gardeners in the vicinity of New York. It attains a large size, is round in shape, flattened at the ends. It is of most delicate flavor and wonderfully productive. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Giant Chicago Market Musk Melon—This fine melon has been in our market for many years, cultivated and sold by Mr. Carter, a market gardener of long experience, especially successful as a melon grower, in which no little skill is required, as market men well know. It is a type of Chicago Market Musk Melon, equal to it in quality, but much larger and very productive. It is decidedly ribbed, extra well netted, with very thick, green flesh. Pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 15c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

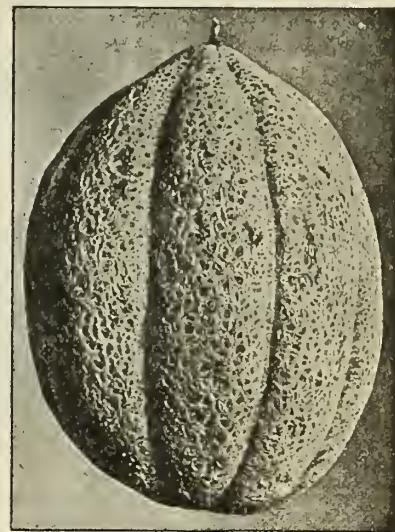
The Paul Rose Melon

This new musk melon is a cross between the Netted Gem and the Osage, which two are probably the most valuable melons in cultivation.

In a letter dated Nov. 15, 1897, Mr. Paul Rose says: "I have found in my experience of nearly twenty years in melon growing, that there is an increasing demand in most of the large cities of the Northern States for salmon fleshed melons, and further, that the trade prefer their melons in the half-bushel climax basket." There you have the whole story in a nutshell.

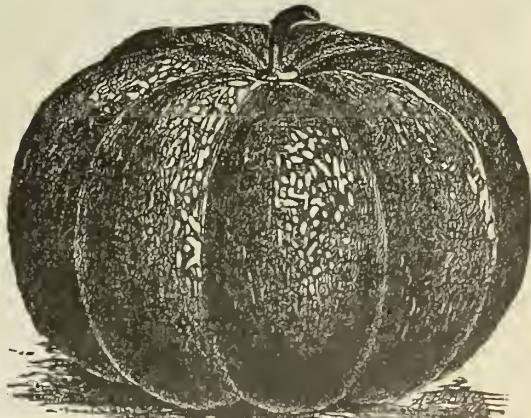
SALMON FLESHED and BASKET SIZE.

Add to these essential points exceeding sweetness, and solid texture of flesh, combined with the best shipping qualities, and you have a melon on such as every shipper longs for. Seed is scarce this year. Pkt. 5c, 3 pkts. 10c, $\frac{1}{2}$ oz. 15c, oz. 20c, 2 oz. 35c, lb. \$1.25



Baltimore, or Acme.

Baltimore, or Acme—This melon is the most popular of all in Baltimore markets and throughout Maryland, where it is known as Baltimore Citron, and in Philadelphia and New York markets as Acme Canteloupe, and is much sought after by hotels and restaurants. Quite early, fine size, showy and pointed at the ends. Strongly netted; thick, rich, green flesh. Undoubtedly the best and most profitable for shipping long distances. Pkt. 3c, oz. 6c, $\frac{1}{4}$ lb. 20c, $\frac{1}{2}$ lb. 30c, lb. 50c.



Giant Chicago Market.

WATERMELONS.

STOKE'S EARLY—Very early. Seed small, shape oblong oval, quality delicious. Pkt. 5c, oz. 10c, lb. 60c.

PHINNEY'S EARLY—An extra-early sort. Seed white, shape oval, fine quality. Pkt. 5c, oz. 10c, lb. 50c.

VICK'S EARLY—A well-known early kind. Seed black, smooth and shiny. Quality fine. Pkt. 5c, oz. 10c.

BLACK SPANISH—A popular sort. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

PRIDE OF GEORGIA—A standard variety. A good keeper. Pkt. 5c, oz. 10c, lb. 50c.

JOHNSON'S CHRISTMAS—One of the longest keepers. Rind hard, darkgreen. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.



Jumbo.

JUMBO—A well-known sort. Very large.

Pkt. 5c, oz. 10c, lb. 60c.

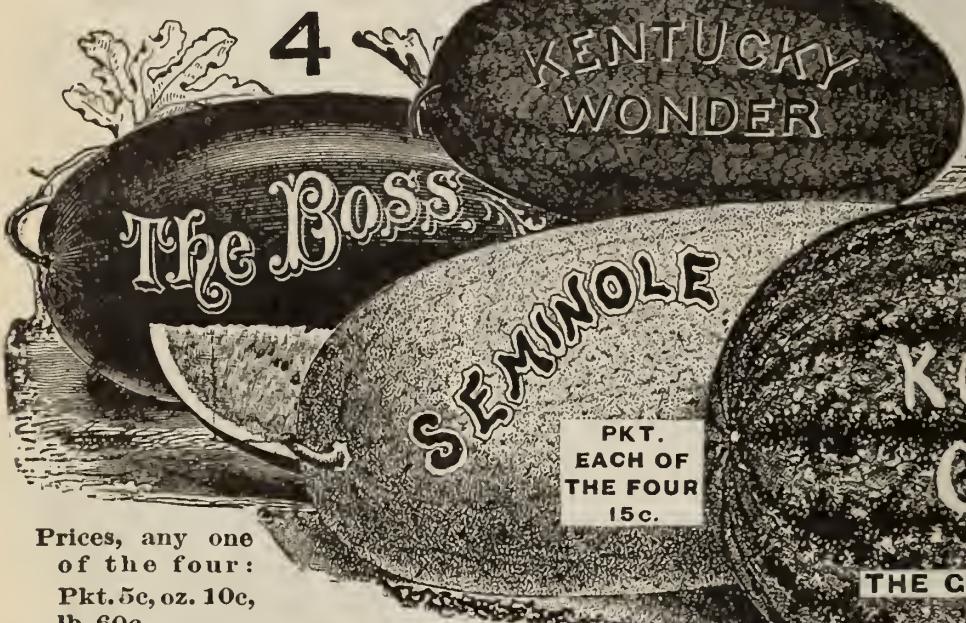
DIXIE—A good shipper. Quality excellent.

Pkt. 5c, oz. 10c.

GREEN AND GOLD—Flesh yellow, rind green.

Pkt. 5c, oz. 10c, lb. 60c.

THE BIG 4

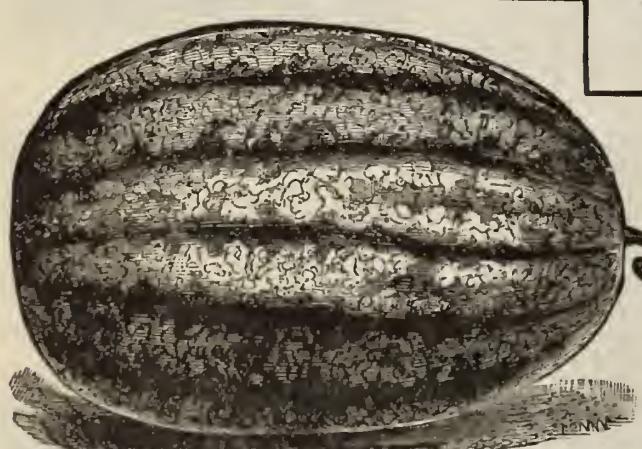


Prices, any one of the four:
Pkt. 5c, oz. 10c, lb. 60c.

PKT.
EACH OF
THE FOUR
15c.

KOLB'S
GEM

THE GREAT SHIPPER



Cuban Queen.

CUBAN QUEEN—One of the very best all-around melons. Good to ship, and for home use not excelled by any in quality. Pkt. 5c, oz. 10c, lb. 50c.

MAMMOTH IRON CLAD—A hard-shelled sort of good quality. An excellent shipper. Pkt. 5c, oz. 10c, lb. 50c.

COLORADO PRESERVING—Green-seeded citron. One of the best for preserving. Pkt. 5c, oz. 10c.

CITRON—Red seeded, used for preserves. Pkt. 5c, oz. 10c.

PEERLESS, OR ICE CREAM—One of the most popular kinds. Flesh firm, sweet, and delicious. The best for home use. Pkt. 5c, oz. 10c, lb. 50c.

LIGHT ICING—A splendid melon for the home garden, and for the local market. Pkt. 5c, oz. 10c, lb. 50c.

DARK ICING—A good variety for home use. Of good size, excellent quality, and handsome appearance.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.

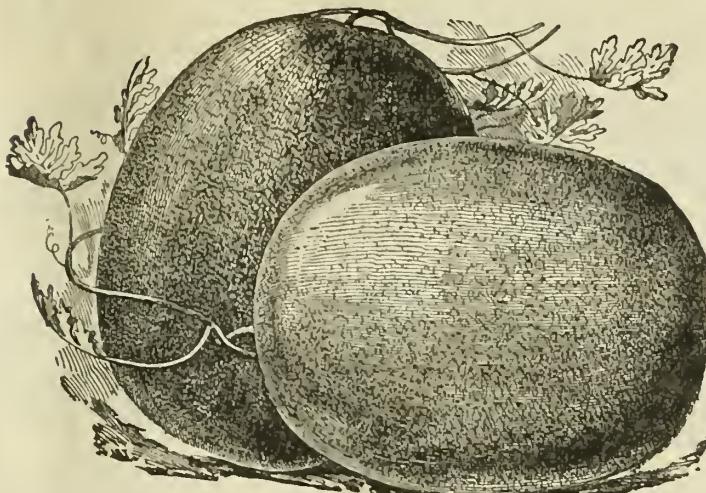
SCALY BARK—A popular kind, not handsome in outward appearance, but of very choice quality.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.



Iron Clad.

WATER MELONS



SWEET HEART WATER MELON.

Cole's Early—This is the best melon for the home market to-day. For sweetness and delicate texture of flesh, it has no equal. The rind is thin, but brittle, and, therefore, not suitable for shipping; for home market we know of none better. Extreme earliness is another important point in its favor.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

Hoosier King—A melon with exceptional qualities. The melons grow oblong, and are of an even diameter through their entire length. The flesh is brilliant red, very solid, sweet and luscious. The skin is striped light and dark green; the rind is very thin but exceedingly hard, which renders it a valuable shipping sort. This is grown for us near Chicago, and the original type carefully kept. Some of our southern customers, who ship long distances, rely on our fancy Illinois seed of this King of Melons and will use no other, planting very largely of it. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c, 5 lbs. by express, \$2.25.

Sweet Heart Watermelon—When this melon first attracted the general attention of gardeners, shippers, hotel and restaurant men, we secured the choicest seed from original sources, and have kept this stock distinct and separate; we are, therefore, sure of the true variety, distinct and pure. Our strain is a grand, sweet-hearted kind for home and market use, and will hold its own in the "Water Melon patch" for many years to come. Carloads still sell at fancy prices in the large markets, and its quality is A1. The following is an accurate description: Vine vigorous and productive, ripening its fruit early. Fruit large, oval, very heavy, uniformly mottled light and dark green, rind thin but firm, flesh bright red, firm, solid but very tender, melting and sweet. Remains in condition for use longer than any other sort; seeds gray. Pkt. 5c, oz. 10c, 2 ozs. 15c, $\frac{1}{4}$ lb. 20c, lb. 65c, 5 lbs., by express, \$2.50.

Fordhook Early—One of the earliest water melons, that is also of large size. The melons are nearly round, and average over 30 lbs in weight; the rind is tough, the flesh bright red and sweet. This is a melon equally desirable for home market and shipping. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Improved Kolb's Gem—The seed from this is saved from large, smooth melons of a darker mottled green than the old Kolb's Gem. The meat is of a richer red and the melons show a yellow blotch on the bottom. It is a very much fresher, better looking melon than the common Kolb, and fully a week earlier in ripening, besides growing much larger and being a heavier yielder. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c, 5 lbs., by express, \$3.00.

Black Diamond—The Black Diamond is the result of hybridization of Kolb's Gem and Hoosier King, the new seedling, propagated and improved for five years, the most critical expert selection made during the whole time by one of the most successful growers in Knox County, Indiana, until the new type is so thoroughly fixed that we have a distinct and the best melon without exception for the past 20 years. All that could be said of the Kolb's Gem as to good shipping qualities can be truthfully stated in a higher degree of the Black Diamond. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 60c.

WATER MELONS—Standard Varieties

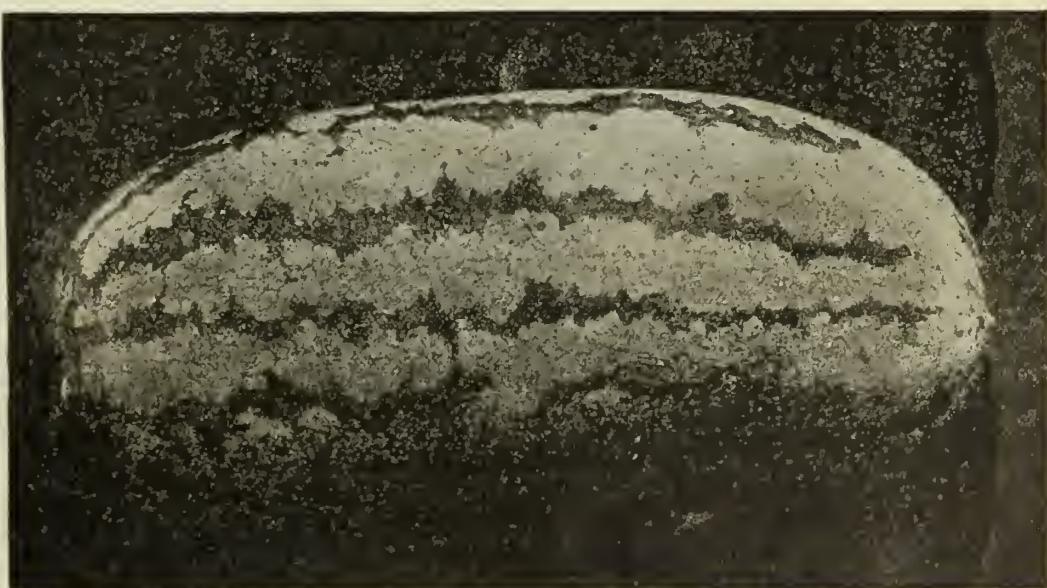
Which we supply at the uniform rate of: Pkt. 3c, oz. 7c, $\frac{1}{4}$ lb. 15c, lb. 55c, prepaid. Special prices on larger lots.

HUNGARIAN HONEY, **LONG WHITE ICING**, **GIRARDEAU'S NEW FAVORITE**, **RATTLESNAKE**,
FLORIDA FAVORITE, **MOUNTAIN SWEET**, **DELAWARE**.

McIver Wonderful Sugar Melon.

THE SWEETEST MELON GROWN.

Without a single exception this is the sweetest water melon of all; it is simply superb. The melons grow oblong, resembling Rattlesnake in shape, attain a great weight, are of very handsome appearance, never crack or lose their fine flavor in the wettest season. It is a very productive and hardy variety and one that will take the lead wherever it gets known. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 60c, postpaid. By express, 5 lbs. \$2.00.



MCIVER WONDERFUL SUGAR MELON.



Large Musselburg Leek.

LEEK

Belongs to the onion family and by some preferred to that vegetable. Sow the seed and care for the young plants same as for onions, but they need a little more room in order to develop fully. When the young plants are about the size of a goose quill, transplant to a prepared bed in rows one foot apart and four or five inches in the row. Set the roots deep and draw the earth to them when cultivating, so that they may be well blanched by the time they are fit for use.

LONDON FLAG.—This variety is more cultivated in this country than any other. It is hardy and of good quality. Pkt. 5c, oz. 10c, 2 ozs. 20c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

LARGE AMERICAN FLAG.—A variety which has become very popular with some market gardeners on account of its being larger than the London Flag. Pkt. 5c, oz. 15c, 2 ozs. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

LARGE ROUEN.—Stem very large, but comparatively short; the leaf is very broad, but covered with whitish bloom. Stands a long time in condition for use. Pkt. 50, oz. 15c, 2 ozs. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

MONSTROUS CARENTAN.—The largest variety, often three inches in diameter, and becoming very white and tender. A very hardy and desirable sort. Pkt. 5c, oz. 15c, 2 ozs. 25c, $\frac{1}{4}$ lb. 40c, lb. \$1.50.

MARTYNIA.

The Martynia, or Unicorn Plant, is quite ornamental in growth, quickly forming large bushes and bearing handsome Gloxinia-like flowers. When young and tender the seed-pods make excellent pickles, and as they are produced in great abundance, three or four plants will suffice for an ordinary garden.

MARTYNIA PROBOSCIDEA.—The best variety for pickles. Pkt. 10c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

MUSTARD.

BLACK or BROWN.—Pkt. 5c, oz. 10c, lb. 40c.

WHITE.—Better for salad or culinary purposes. Pkt. 50, $\frac{1}{4}$ lb. 20c, lb. 40c.



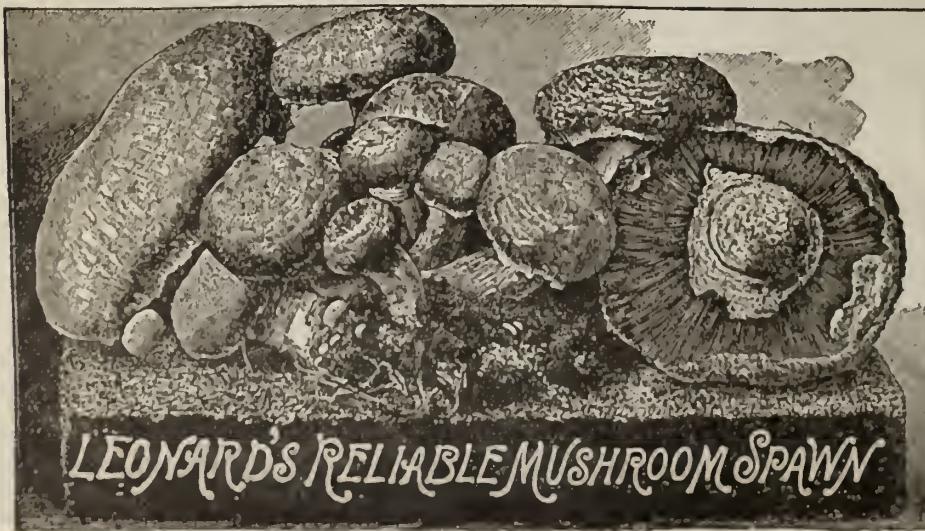
/ CHINESE MUSTARD

MUSHROOM SPAWN.

GER., *Champignonbrut*.—FR., *Champignon*.—SP., *Seta*.

Ten pounds will spawn about 10 square feet.

Mushroom beds may be made in a warm, dry cellar, or in any building where the frost does not penetrate, and in the open air during the summer and fall months. Having procured the Spawn, the next thing to be attended to is to make preparation for the beds. About a fortnight or three weeks before the beds are to be made, collect a quantity of fresh horse manure without the straw; place it in a heap under cover, and as it heats, keep turning it over once or twice a week, until the fiery heat has been exhausted, which will require from ten to fourteen days' time. When the manure is in a condition to be made up, lay out your bed according to your requirements, say 3 feet wide, 10 feet long and from 2 to 3 feet deep; beat it well down with the back of the spade as the process of the building goes on. When the bed has been made some time, say a week or thereabouts, and the heat sufficiently declined to a temperature of 65 or 75 degrees, the Spawn may be put into it. Break the Spawn in pieces 2 inches square, and put them 6 inches apart all over the bed; then cover the bed with 2 inches of rich soil, the stronger the better, but of a loamy quality, beating it down firmly with a spade. The soil used for this purpose should be in a pliable condition, and not too wet or over dry. Cover the bed with a foot of dried straw or hay; examine once a week to see if the manure is not heated while in this condition; if so, it will destroy the Spawn, which will require spawning a second time. If everything goes on well, you may expect Mushrooms in about five or six weeks. When the soil looks dry, give a gentle watering with tepid water, using a rose on the watering pot. If the beds are made out of doors, protect them from rain by covering them with shutters or sashes. Good crops of Mushrooms can be obtained by spawning the hot-beds in spring. They can also be raised in pots, boxes, or in fact in anything capable of keeping the materials together, and placed in a cellar, closet, green-house or grapevines.



LEONARD'S RELIABLE MUSHROOM SPAWN

ENGLISH MUSHROOM SPAWN. It comes in press-edible bricks

weighing about 20 ounces. These are broken up into pieces the size of a walnut and put into the bed eight inches apart each way. Price, per brick, 25c; 5 lbs. \$1.00, postpaid. By express or freight, 10 lbs. \$1.20; 25 lbs. \$2.50; 100 lbs. \$9.50.

FRENCH MUSHROOM SPAWN. Put up in boxes of 2 lbs. each. Price, per box, 75c; if by mail, \$1.00. The same loose, per lb., 35c; by mail, 45c.

OKRA or GUMBO....



Okra.

This vegetable is too little grown, as its green pods impart a fine flavor and consistency to soups and stews; the pods can also be dried for winter. It is universally used throughout the South, and is as easily raised in the North. So delicious is the flavor that when once used it will be grown every year.

Lady Finger—The plants are uniform in growth, and with their large, Hibiscus-like flowers make a pretty sight. The plants produce long, slender pods of the form shown in the illustration herewith. The pods grow much larger than represented, but if they are used at this size, are particularly tender and choice. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

Drawf Prolife, or Density—A fine new variety—much dwarfer than the ordinary dwarf Okra, and much more productive; short, thick pods. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c; postpaid.

White Velvet Okra—The pods are perfectly round, smooth and of an attractive white velvet appearance; of superior flavor and tenderness. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c; postpaid.

Parsley..

Plain—Leaves plain or flat and very dark colored. It is often preferred on this account and because of its hardiness. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 20c, lb. 50c.

Emerald—A fine curled variety, which is hardy and slow in running to seed. Color dark, rich green. The plants are so compact, densely frilled and curled, as to resemble a mass of moss. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 20c, lb. 65c.

Carter's Fern Leaved—The leaves are finely cut and give the plants a feathery, fern-like appearance. Makes a handsome border plant. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Fine Triple Curled, or Myatt's Garnishing—A fine free growing but not large variety. The leaves are bright, pale green, and exceedingly handsome. Greatly prized for garnishing and table decoration. One of the best for market or private gardens. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Champion Moss Curled—A compact growing, finely cut and much curled variety, of a bright green color. Owing to its fine color and density of foliage it is much sought after. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 25c, lb. 75c.

Turnip Rooted, or Hamburg—The root, which resembles a small parsnip, is the edible portion of this variety. Extensively grown and used for flavoring soups, etc. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 20c, lb. 50c.



Double Curled Parsley.

Parsnip..

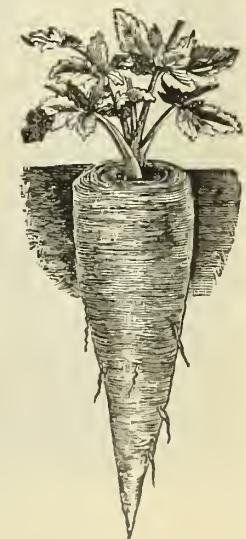
The value of the Parsnip as a culinary vegetable is well known, but is not generally appreciated at its full value for stock feeding. On favorable soil it yields an immense crop of roots, which are more nutritious than carrots or turnips, and particularly valuable for dairy stock.

CULTURE—They do best on a deep, rich, sandy soil, but will make good roots on any soil which is deep, mellow and moderately rich. Fresh manure is apt to make the roots coarse and ill shaped. As the seed is sometimes slow to germinate, it should be sown as early as possible, in drills two feet to two and one-half feet apart; cover one-half inch deep, and press the soil firmly over the seed. Give frequent cultivation, and thin the plants to five or six to the foot.

Long White Dutch, or Sugar—Roots very long, white, smooth, tender, sugary and of most excellent flavor. Very hardy, and will keep through winter without protection. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 20c, lb. 50c.

Hollow Crown—Roots comparatively short, with a very smooth, clean skin. The variety is easily distinguished by the leaves arising from a depression on the top or crown of the root. Pkt. 5c, oz. 10c, 2 oz. 15c, $\frac{1}{4}$ lb. 20c, lb. 50c.

Guernsey—The best sort for heavy, black soils. In the vicinity of Chicago, where the soil is exceedingly rich, this is the variety needed, as it makes a fine shaped root which does not grow too long. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.



Guernsey.

Leonard's Market Garden.*

This strain is a continued selection of our Avondale stock of Guernsey parsnip, which for several years has given such good satisfaction to the Chicago gardeners. It has been selected with the view to produce a root of good length, uniform tapering shape and freedom from side shoots. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 60c.

The best Shaped Parsnip ever sold.



ONION SEED.

The value of the crop depends a great deal upon the quality of the seed sown. Our reputation for supplying reliable onion seed is not excelled by any house in the trade. A package of onion seed bearing the stamp of S. F. Leonard is considered safe to plant by any onion grower. Among market gardeners we have a name that is second to none, with a constantly increasing number of them depending upon us for their onion seeds, fully confident that the are getting and *will always* get the best that is to be had.

THE THREE KINGS.

SPANISH KING.

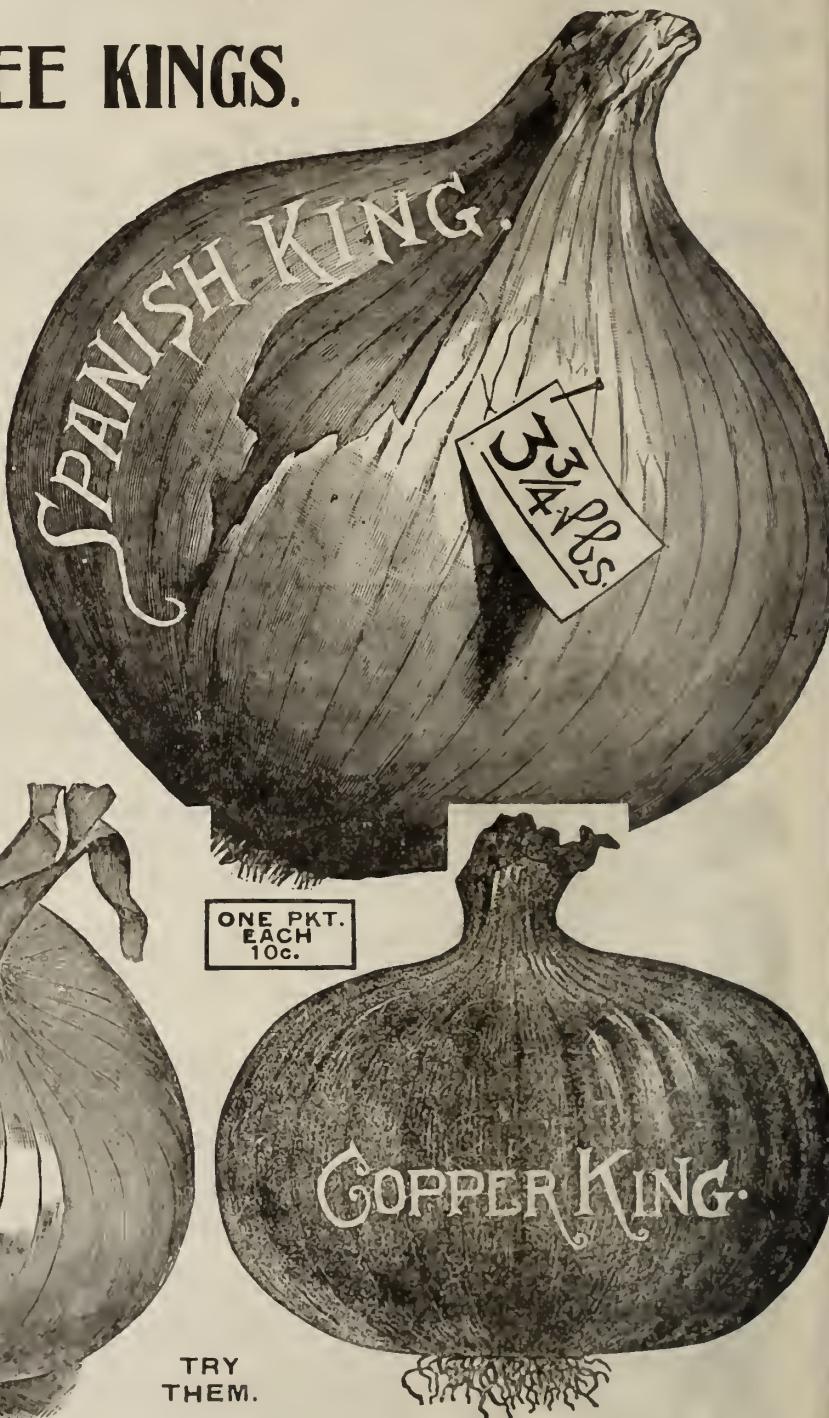
One of the handsomest onions grown. Specimens weighing nearly four pounds are often harvested. The large Spanish onions sold at such high prices on the Chicago fruit-stands are the same as this variety, only they are imported. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

SILVER KING.

This is a grand onion. It is a mammoth grower, of beautiful varly-white color, almost transparent in appearance. To match Spanish King at fairs and exhibitions, it is just what is needed. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

COPPER KING.

This variety is the largest Red Onion grown. It is fine and mild in taste. With the two varieties above mentioned a combination is formed which wins prizes at all fairs for all colors. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.



SEE OUR ONION SPECIALTIES

PAGES 4 AND 5.

BULK PRICE LIST PAGES 62 AND 63

ONION

AMERICAN CROWN.

EXTRA - EARLY FLAT RED

The earliest variety. Very popular with market gardeners to sell in the early fall. Quality choice, of mild taste. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

WRITE
FOR
PRICES
ON
LARGE
LOTS
AT
ANY
TIME.

LARGE RED WETHERSFIELD—The most popular red variety for main crop. It makes a large, thick bulb, crops abundantly, ripens early and sells readily on all markets where a red onion is wanted. Our seed is extra selected; none better can be bought. It is bound to give satisfaction.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

LARGE RED GLOBE—A fine, large globe-shaped onion, of mild flavor. It is a good keeper, excellent for main crop.

Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 90c.

YELLOW DUTCH—This is the earliest of the large, flat yellow sorts. It is a wonderful keeper and a splendid market variety. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

FLAT DANVERS—A very early sort of great merit; one of the best yellow kinds for market. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

GLOBE DANVERS—This is the most popular of all the yellow sorts. It is the kind most used by Chicago market gardeners. In all markets where a yellow sort is used takes the lead. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.



FOR POUND PRICES SEE PAGES 62 and 63.

SOUTHPORT YELLOW GLOBE—This is a large, handsome yellow variety. Shape, perfectly globular; quality fine. A splendid keeper. Becoming very popular.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

WHITE-PORTUGAL—The best white sort for pickling or ordinary uses. It is one of the best keepers of the white varieties.

Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 75c.

LARGE WHITE GLOBE—A very handsome onion, of splendid quality. Keeps well. It has a good, strong flavor. The best sort for early green onions from seed.

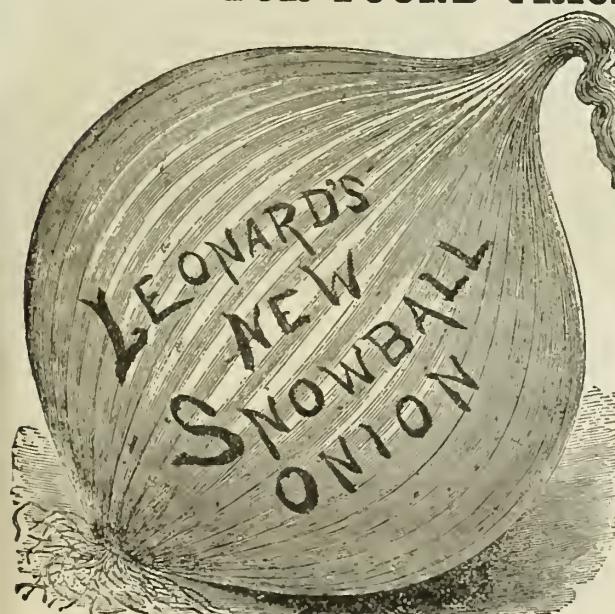
Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 75c.

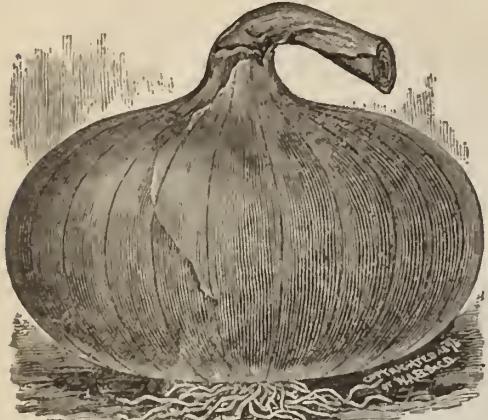
LEONARD'S SNOWBALL.

This new onion has met with universal favor. It is of beautiful form, of a pearly-white, transparent color. It has taken the prize over all white onions wherever shown.

For home use unexcelled, and for market no other white variety will command so high a price.

Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 75c.





Australian Brown Onion.

many good points, such as earliness, soundness, beautiful color, etc., that all onion growers, large or small, should give it a trial. *Pkt. 5c, oz. 15c, 1/4 lb. 50c, 1b. \$1.75.*

Mammoth Prizetaker.

This is one of the largest yellow onions we have. It is well and favorably known in all parts of the country. Our stock is American grown and has given great satisfaction wherever tried. Pure seed is of great importance in growing this onion. *Pkt. 5c, oz. 10c, 1/4 lb. 50c, 1/2 lb. \$1.00, postpaid.*

WHITE BARLETTA—This is one of the finest pickling sorts. It is exceedingly early, of splendid, clear-white color, and of small size. *Pkt. 5c, oz. 20c, 1/4 lb. 75c.*

WHITE QUEEN—A rapid growing white skinned onion. An excellent pickling sort. *Pkt. 5c, oz. 20c, 1/4 lb. 75c.*

WHITE PEARL—A fine Italian variety. Of quick growth and handsome appearance. *Pkt. 5c, oz. 20c, 1/4 lb. 75c.*

WHITE TRIPOLI—A large sort. Used largely for green onions to bunch for the market. *Pkt. 5c, oz. 10c, 1/4 lb. 40c.*

YELLOW ROCCA—A fine, large yellow onion of mild flavor. *Pkt. 5c, oz. 10c, 1/4 lb. 40c.*

RED ROCCA—One of the largest red Italian sorts. Of good quality. *Pkt. 5c, oz. 10c, 1/4 lb. 40c.*

NEAPOLITAN MARZAJOLA—This is a fine silvery-white skinned sort. Early and profitable. *Pkt. 5c, oz. 15c, 1/4 lb. 40c.*

MADRID GIANT—Red skinned, mild flavored and large-growing onion. *Pkt. 5c, oz. 15c.*

ONION

THE AUSTRALIAN BROWN ONION—A new onion from Australia, of which part, the introducers have this to say: "They are extremely early in ripening, and never make any stiff-necks or scallions. Every seed seems to produce a good sized onion, and the bulb begins to form very quickly, when the plant is not over three inches high. Planted near the Red Wethersfield, it proved to be nearly four weeks earlier, and ripened off more uniformly."

Many of our gardening friends will remember the amount of talk and speculation as to the merits of this onion when it appeared in such quantities on the Chicago markets last spring, and well remember the few specimens we had on the front desk in our store. Those specimens are still here, and are quite sound yet, which proves the long keeping quality of the onion. It has so



White Barletta.



RED VICTORIA—A fine mammoth, oval-shaped onion. Skin is very dark in color, almost blood red; flesh is very light rose color or white. It is of quick growth, of mild flavor, and is very desirable and profitable. *Pkt. 5c, oz. 10c, 1/4 lb. 40c.*

WHITE VICTORIA—The skin is silvery white, shaded with a delicate light rose. The flesh is milky white, very juicy and sweet. It grows to a large size, having, without any extra cultivation, a weight of from two to four pounds. *Pkt. 5c, oz. 20c, 1/4 lb. 75c.*

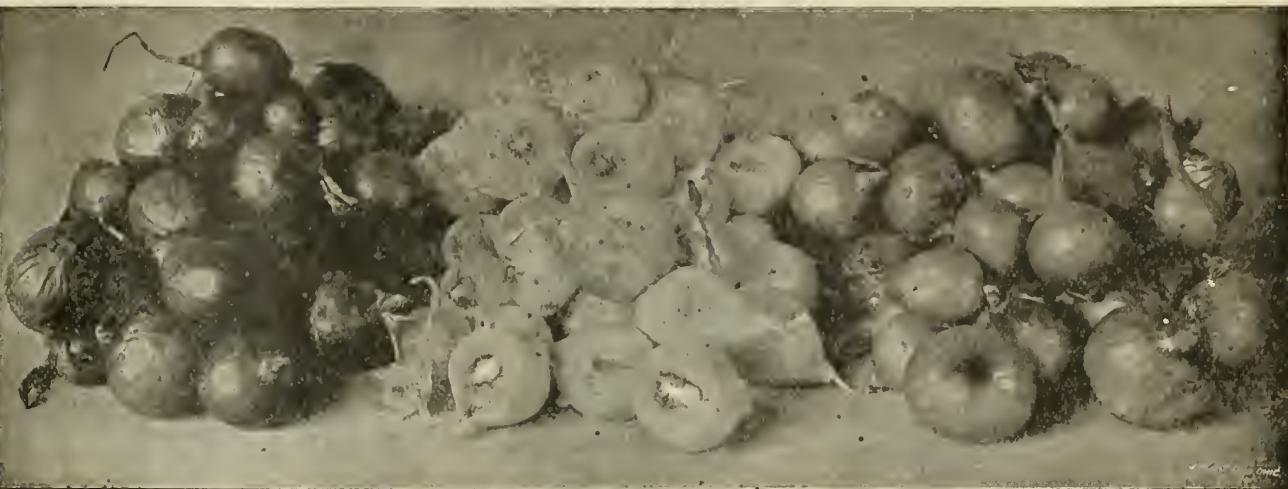
BERMUDA ONIONS

RED—A variety of pale-red color. Very early and fine. *Pkt. 5c, oz. 10c, 1/4 lb. 50c.*

WHITE—An early, mild-flavored sort. *Pkt. 5c, oz. 20c, 1/4 lb. 50c.*



ONION SETS.



Red Bottom Sets.

White Bottom Sets.

Yellow Bottom Sets.

RED BOTTOM SETS.—These sets are grown from the Red Wethersfield variety, and will produce marketable onions several weeks earlier than seed. For green onions they are also very desirable. Pt. 10c, qt. 20c, 2 qts. 35c, 4 qts. 60c.

WHITE BOTTOM SETS.—We have sets grown from White Globe seed or from the White Portugal seed, and can furnish either kind. White sets produce the finest early green onions, and no garden should be without them. Pt. 15c, qt. 25c, 2 qts. 40c, 4 qts. 75c.

YELLOW BOTTOM SETS.—The yellow sets are grown from seed of Strasburg, Yellow Danvers, Yellow Globe Danvers and Southport Yellow Globe, either of which we can furnish. Yellow is the standard color for onions in many of the largest markets. Pt. 10c, qt. 20c, 2 qts. 35c, 4 qts. 60c.

PRIZE TAKER SETS.—These sets are grown from seed of the famous Prize Taker onion. The most successful growers of Prize Taker say that this onion cannot be grown to its fullest perfection unless seedlings are transplanted or the onions grown from sets. It is expensive work to transplant seedlings, while growing from the sets is very economical. It will pay you to try sets. Pt. 15c, qt. 25c, 2 qts. 50c, 4 qts. 75c.

YELLOW POTATO ONIONS.—The old original English multipliers, the genuine potato onion. Excellent for the home or market garden, for early onions. Pt. 15c, qt. 25c, 2 qts. 40c, 4 qts. 75c.

SHALLOTS OR MULTIPLIERS.—These are very popular at the south. They are grown largely for flavoring. The clumps are divided and they multiply very abundantly. Pt. 15c, qt. 25c, 2 qts. 40c.

WINTER TOPS (Perennial Tree Onions).—These are very hardy; they need no protection during the winter, and will continue for many years to yield an abundant supply of green onions without replanting. Pt. 10c, qt. 20c, 2 qts. 35c.



White Multiplier Onions.



Yellow Potato Onions.

WHITE MULTIPLIER ONIONS.—Owing to the white color this is considered an improvement on the yellow potato onion, which it resembles in habit of growth. It is a very desirable onion for early market purposes. It makes a clean, pearly white bulb, which may be bunched for market in the green state, or it may be allowed to dry and can then be used for pickles. Pt. 15c, qt. 25c, 2 qts. 45c, 4 qts. 80c.

GENUINE TOP ONIONS.—This is the old-fashioned top onion. The small clumps when separated are planted and each small bulb produces a large, solid, marketable onion of the finest keeping qualities. This onion, when planted, produces again on the top of a stalk which shoots up from it the small clumps, just as ordinary onions throw up a ball of seed. Pt. 15c, qt. 25c, 2 qts. 45c, 4 qts. 80c.

PEPPER.

RED CHERRY—Plant tall, bearing a profusion of bright red, round fruit, which is very pungent when ripe. The plant is very handsome and an ornament to the garden. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

RED CHILI—Used in the manufacture of pepper sauce. Pods sharply conical, and exceedingly pungent when ripe. Requires a long, warm season. The plants should be started quite early in hot-beds. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

YELLOW CHILI—Similar in form to the Red Chili; more pungent, and of a very beautiful yellow color. Pkt. 10c, oz. 35c, 2 oz. 50c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

LONG RED CAYENNE—A long, slim, pointed pod, and when ripe, of a bright red color. Extremely strong and pungent. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.



Bell or Bull Nose.

LARGE BELL or BULL NOSE. A very large sort of inverted bell shape, suitable for filling or for a mixed pickle. Flesh thick, hard and less pungent than most other sorts. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.

GOLDEN UPRIGHT—The fruits are large and of a beautiful rich, golden yellow, tinged with blush red. The Peppers are mild, and as pleasant to the taste as Ruby King. Pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. 80c, lb. \$3.00.

CELESTIAL—The Peppers, when young, are delicate creamy yellow, and ripen to a vivid scarlet. They are from 2 to 3 inches long, and of clear, sharp flavor. Pkt. 10c, $\frac{1}{2}$ oz. 25c.



GOLDEN DAWN—

Plants quite dwarf, but very prolific. Fruit medium sized and of inverted bell shape, rich golden yellow color with very thick, sweet, mild flavored flesh. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.



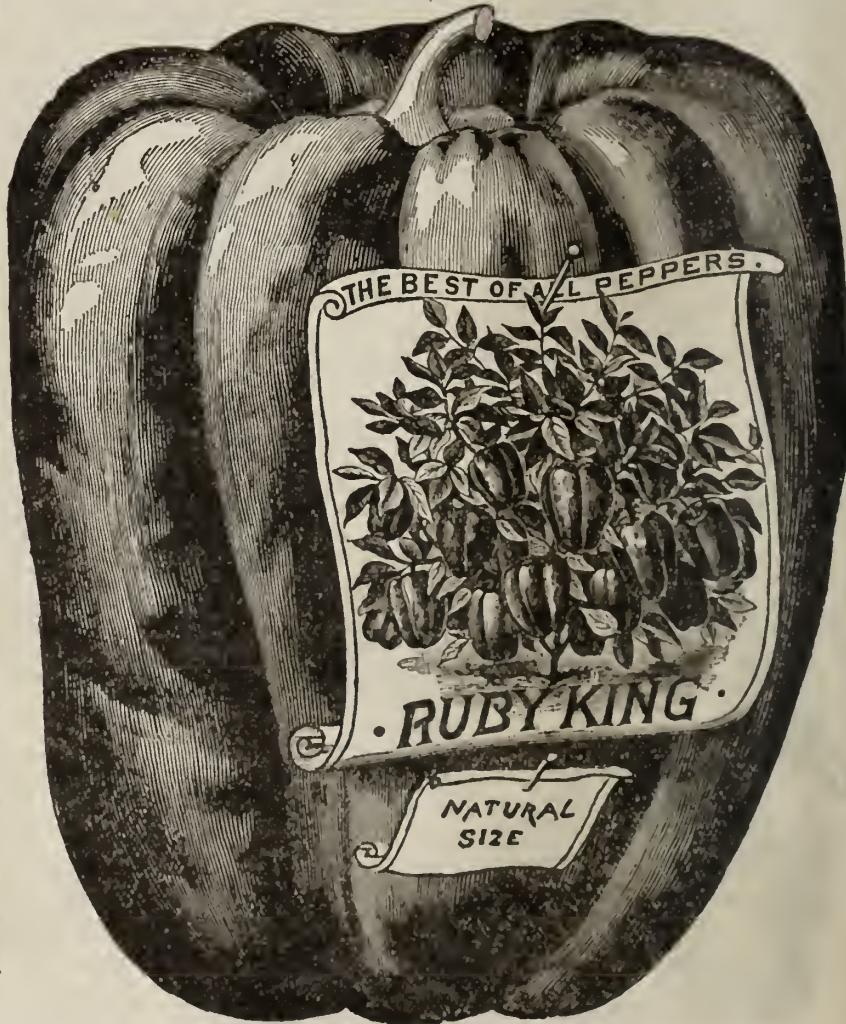
Sweet Mountain.

SWEET MOUNTAIN—Plants very vigorous and productive, growing upright, with moderately large leaves. Fruit very large, long, often eight inches or more in length, by two in diameter, very smooth and handsome, being when unripe, of a bright, deep green color, entirely free from any purple tinge, and when mature, of a rich red. Flesh very thick, sweet and mild flavored. Well suited to use as stuffed pickle. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.

LARGE SQUASH—Fruit large, flat, tomato shaped, more or less ribbed, skin smooth and glossy, flesh mild, thick meat and pleasant to the taste, although possessing more pungency than the other large sorts, very productive and a fine variety for pickling. One of the earliest and most certain to mature. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.

PROCOPP'S GIANT—Very large, usually 8 to 9 inches long and 3 inches thick. Brilliant scarlet color, flesh thick, of pleasant flavor. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.

RUBY KING—An improved American sort, reaching the largest size, yet retaining the symmetrical shape of the smaller sorts. It is very bright colored, beautiful, sweet and mild flavored. One of the best for stuffed pickles. Pkt. 5c, oz. 25c, 2 oz. 40c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.





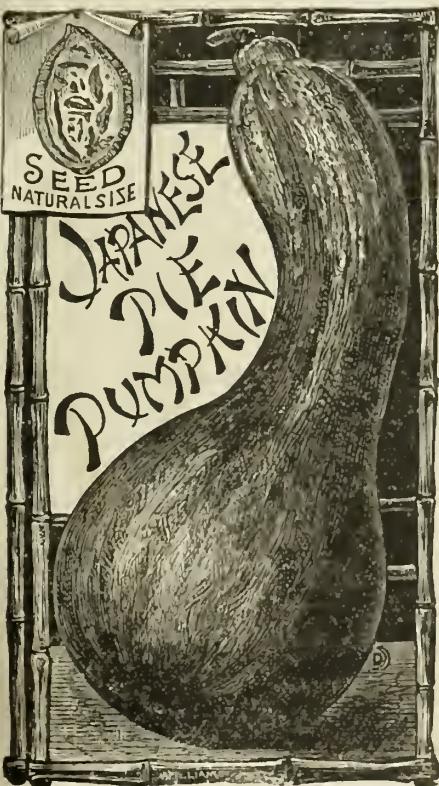
RED ETAMPES MAMMOTH.—Skin smooth, bright glossy red, flesh deep orange, very thick, superior quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

GOLDEN OBLONG.—A very fine, new and productive variety, growing oblong to a length of sixteen to eighteen inches, and seven to eight inches in diameter. Flesh rich yellow, very sweet, dry and excellent for pies. A good keeper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 60.

QUAKER PIE.—It is oval in shape and tapers toward each end; of a creamy color, both inside and out. Being fine grained and rich flavored, it makes a superior quality of pies. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 70c.

BANANA PUMPKIN.—(Also called Custard Squash.) The average size is eighteen inches in length by seven to eight inches in thickness. It has ten and occasionally eleven prominent ridges running lengthwise over the entire surface. The skin is of a rich cream color, fine grained and of particularly fine quality for pies. It is a strong grower and very productive. Of very choice quality for autumn. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20, lb. 80c.

ST. GEORGE'S (Negro or Nantucket Pie Pumpkin).—This pumpkin was brought from the island of St. George, Azores, to New England, about the year 1846. It has been cultivated ever since, and is highly esteemed as a good "Pumpkin-pie" pumpkin. It is oblong in shape, with ten to twelve prominent ridges from stem to blossom end. The outer color of the skin, even when fully ripe, is a very dark green, almost black. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.



CONNECTICUT FIELD.—The common yellow variety usually grown for feeding stock. Good for canning and for pies. Oz. 5c, $\frac{1}{4}$ lb. 10c, lb. 30c.

LARGE CHEESE.—A very hardy and productive variety; the best for cooking purposes. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 70c.

CASHAW.—A favorite sort, closely resembling the Crookneck Winter Squash. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20, lb. 70c.

MAMMOTH POTIRON PUMPKIN.—The flesh and skin are of a bright golden yellow color. Flesh fine grained, and of excellent quality. Notwithstanding its enormous size, it is one of the very best pie pumpkins ever grown, and a splendid keeper. This enormous variety has been grown to weigh 200 pounds. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.50.

SMALL SUGAR.—A small orange colored sort, remarkably sweet, fine grained and dry. Keeps well and cannot be beaten for table use. Always gives the best satisfaction. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

LARGE TOURS, or MAMMOTH.—This variety grows to an immense size, often weighing over 100 pounds. Pkt. 5c.

DUNKARD WINTER.—This is a very long-keeping variety. It is of large size and fine quality. Excellent for pies. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 70c.

NEW PIE PUMPKIN, "CALHOUN."—It is medium in size, extraordinarily heavy quality. The outside is a cream color, while the flesh, which is very thick and fine grained, is a salmon yellow and of superior quality. It is undoubtedly one of the best for pies. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 70c.

PUMPKINS.

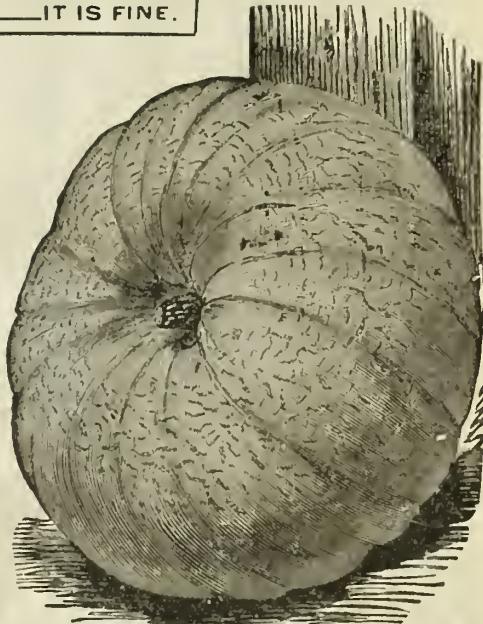
WINTER QUEEN.—This is an improvement of the old, well-liked Sugar Pumpkin, and is admitted by all who have grown it to be the very best pie pumpkin on the market. Its size is uniformly about nine to ten inches in diameter. In color, a beautiful deep orange yellow, with a very close netting, almost as russeted as a potato. It is a good winter keeper and unequalled as a cooking variety. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 70c.

JONATHAN PUMPKIN.—This is one of the finest varieties ever introduced. It is a good keeper, of large size, very prolific, smooth and even fleshed, being free from that coarse stringiness which many varieties have. The Jonathan is excellent for pies. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

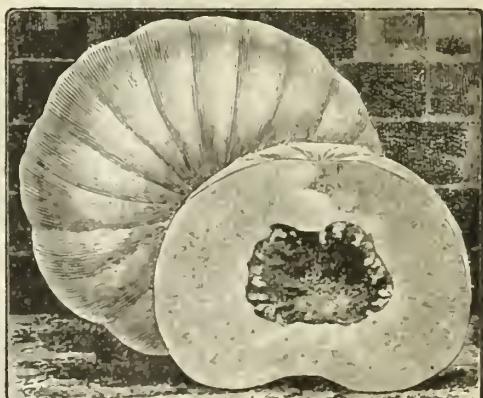
TENNESSEE SWEET POTATO PUMPKIN.—There is no variety of pumpkin in cultivation that has given as great satisfaction as this throughout the length and breadth of this country. Our sales of it have nearly doubled those of other sorts, and we have never received a single complaint of its growth or quality. Hardy, productive, sweet and delicious, and one of the best for cooking purposes ever introduced. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 70c.

GRAY BOULOGNE.—This variety originated in France; round, flattened in shape; usual size two feet in diameter and 30 to 50 pounds weight, but on well enriched soil often attains colossal proportions. The skin is of a grayish-green color. It is not a good keeper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 80c.

SEE THE NEW PIE PUMPKIN
ON PAGE 6.
IT IS FINE.



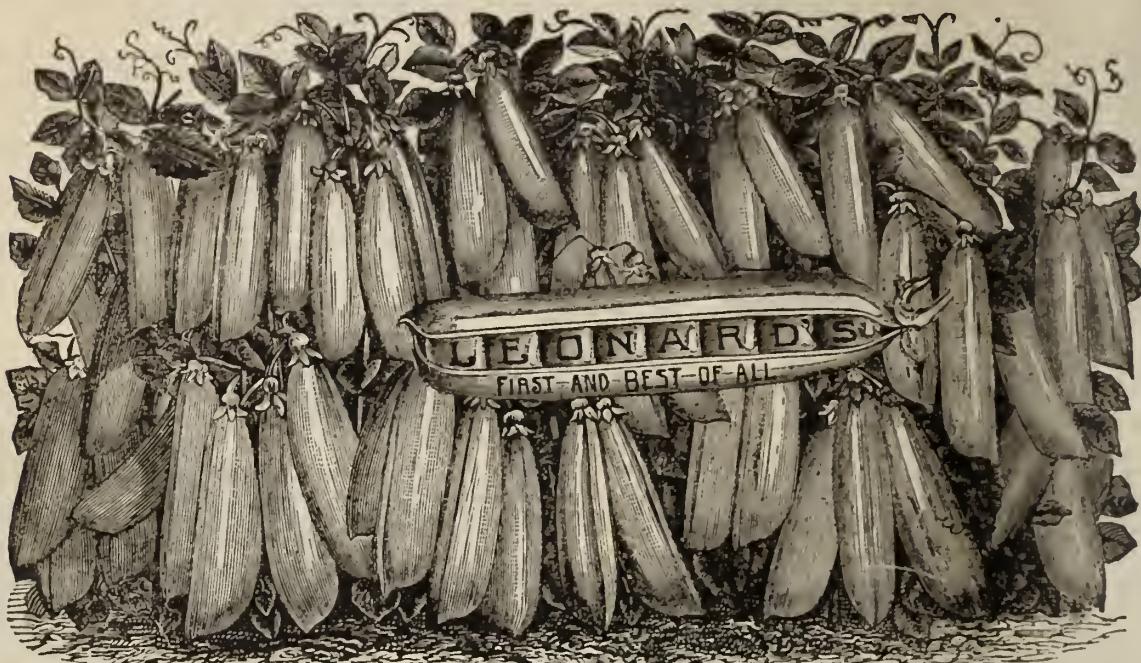
Mammoth Potiron.



Calhoun Pumpkin.

PEAS

LEONARD'S FIRST AND BEST OF ALL



This is the earliest and best of all the extra-early kinds. On the Chicago market it has held the lead for nearly ten years, and is yet the best variety for gardeners to plant. It ripens up uniformly and is very productive. The vines can be cleaned at one picking. This point makes it exceedingly desirable, because, if the price is high, gardeners can realize for the whole crop at the high price. For home use no early variety is better. It is the early variety above all others for all-around purposes.

Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 35c.

AMERICAN WONDER—Extra early. Dwarf-growing vines, only 10 inches high. Quality superb. Exceedingly productive. A splendid sort for home use.

Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c.

LITTLE GEM—Extra-early, vines 15 inches. Quality good. Very prolific. Excellent for market or home.

Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c.

PREMIUM GEM—Another fine, extra-early, dwarf-growing sort of superb quality, vines 12 to 14 inches. Quality good.

Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c.

MAUD S.—Extra-early, vines 24 to 30 inches. It is productive and of good quality.

Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 35c.

DANIEL O'ROURKE—An old market variety of exceeding earliness and of good quality.

Pkt. 5c, qt. 35c.

ADVANCER—A medium-early pea, vines grow 24 to 30 inches. One of the most productive of all the wrinkled sorts.

Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c.

ABUNDANCE—A medium-late wrinkled pea, of the finest quality, vines 30 inches. Vigorous and productive.

Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c.

EVERBEARING—For home use, this is one of the best. It can be picked every day for a long period. Quality excellent. Vines 30 inches.

Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c.

YORKSHIRE HERO—In quality and appearance of peas and pods similar to Champion of England, but the vine is not so tall.

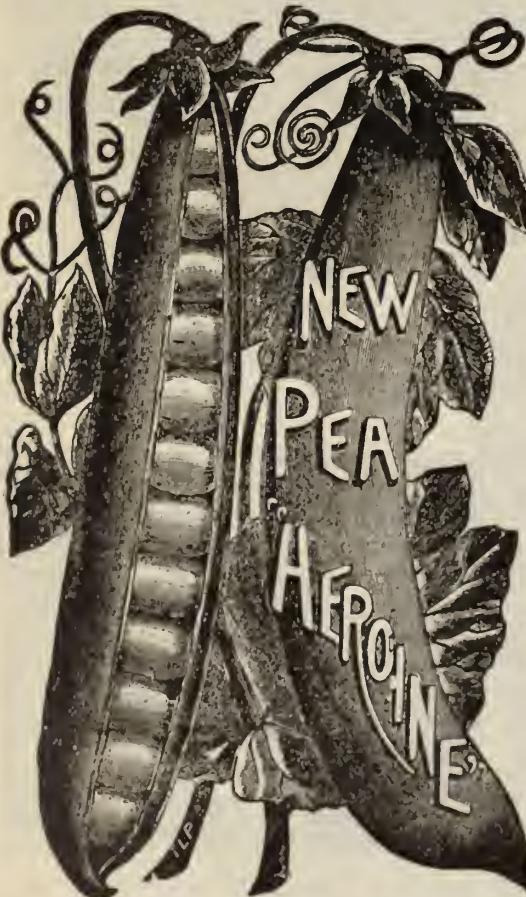
Pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 40c.

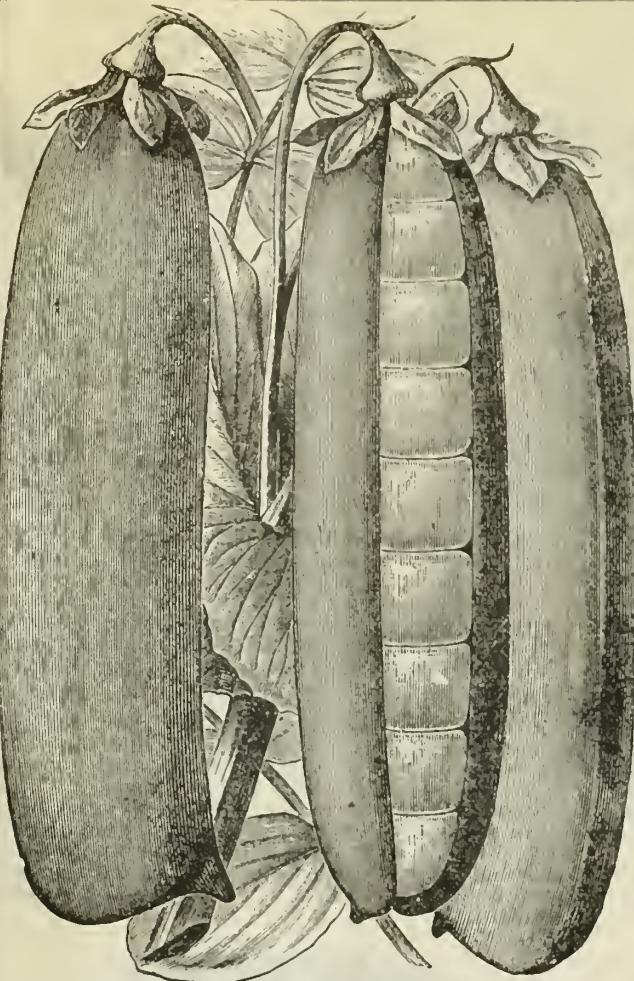
SHROPSHIRE HERO—A fine new sort, late in season. Vines strong, vigorous and productive. Peas large, and of splendid flavor.

Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c.

HEROINE—This is a fine pea of recent introduction. It is of splendid quality. The vines are strong and vigorous, producing an abundance of fine large well-filled pods. A good variety for market or for home use.

Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c.





Sharpe's Queen.

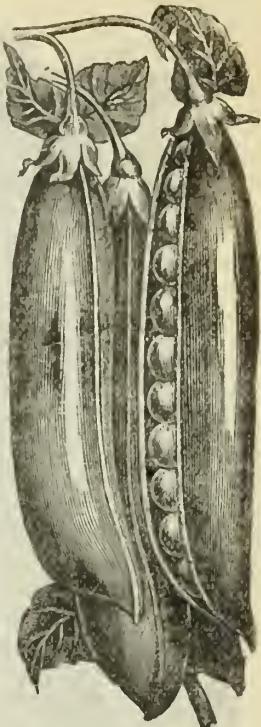
SHARPE'S QUEEN—One of the most desirable late peas of recent introduction. It has remarkable vigor of growth, and a good yield, coming in after Heroine. The pods are long and slightly curved, filled with large peas of delicious flavor.

On account of its branching habit it needs to be sown thinly, and this, combined with its productiveness, makes it a popular variety for late planting. Height, 2½ ft.; seed dark green wrinkled. Pkt. 5c, ½ pt. 15c, pt. 25c, qt. 40c.

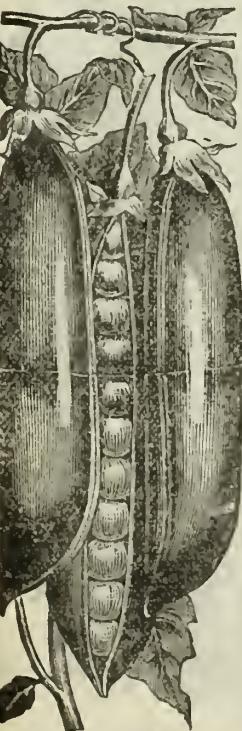
IMPROVED SUGAR MARROW—

This is a valuable addition to the class of marrowfats, being entirely distinct from the White Marrowfat. It is a better cropper and the pods are much longer and well filled with peas of true marrow flavor. Grows from 3½ to 4 feet, with small white seed, slightly dented.

Pkt 5c, ½ pt. 15c, pt. 25c, qt. 40c.



Imp. Sugar Marrow.



Fill Pod.

FILL POD—A new main-crop pea introduced by us this season. The vines are dwarf and bear an abundance of pods, filled with peas of delicious flavor. It is strong and vigorous of growth but not coarse. A most worthy variety.

Pkt. 5c, ½ pt. 15c, pt. 25c, qt. 40c.

FRENCH CANNER—A good idea of the growth of the pea is given in the cut. Very hardy and strong, bearing long, round pods, closely packed with small peas of good flavor. Medium late, grows 3½ feet. A good variety for canning.

Pkt. 5c, ½ pt. 15c, pt. 25c, qt. 40c.

DUKE OF ALBANY—This pea closely resembles the Telephone in appearance, but is in a great many ways a better pea. The vines are more dwarf and stronger, and the pods are larger and better filled. The yield is as good as the Telephone, making it a strong rival of that well-known pea.

Pkt. 5c, ½ pt. 15c, pt. 25c, qt. 40c.

ADMIRAL—A medium late pea of great promise, bearing a great profusion of pods, closely packed with peas of small size and fine flavor. Resembles somewhat the Maud S. in habit, but is of more vigorous growth. From 3 to 3½ ft. in height, with cream colored wrinkled seed. Pkt. 5c, ½ pt. 15c, pt. 25c, qt. 40c.

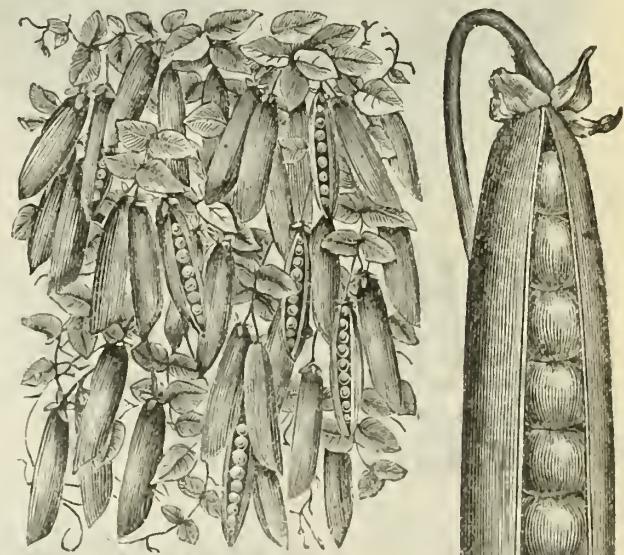
NOTT'S EXCELSIOR—A very popular dwarf pea, producing a profusion of long handsome pods, well filled with fine large peas of excellent flavor. Grows 12 in. and is strong and hardy. Season is early, coming in with American Wonder.

Pkt. 5c, ½ pt. 15c, pt. 25c, qt. 40c.

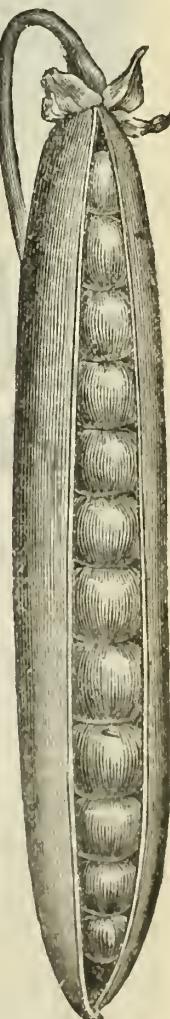
FORTY FOLD—This pea is an improvement on the Champion of England, being more confined in its growth, while the pods are larger and better filled and of sweet flavor. Height 3½ feet, with light green seed, much wrinkled.

Pkt. 5c, ½ pt. 15c, pt. 25c, qt. 40c.

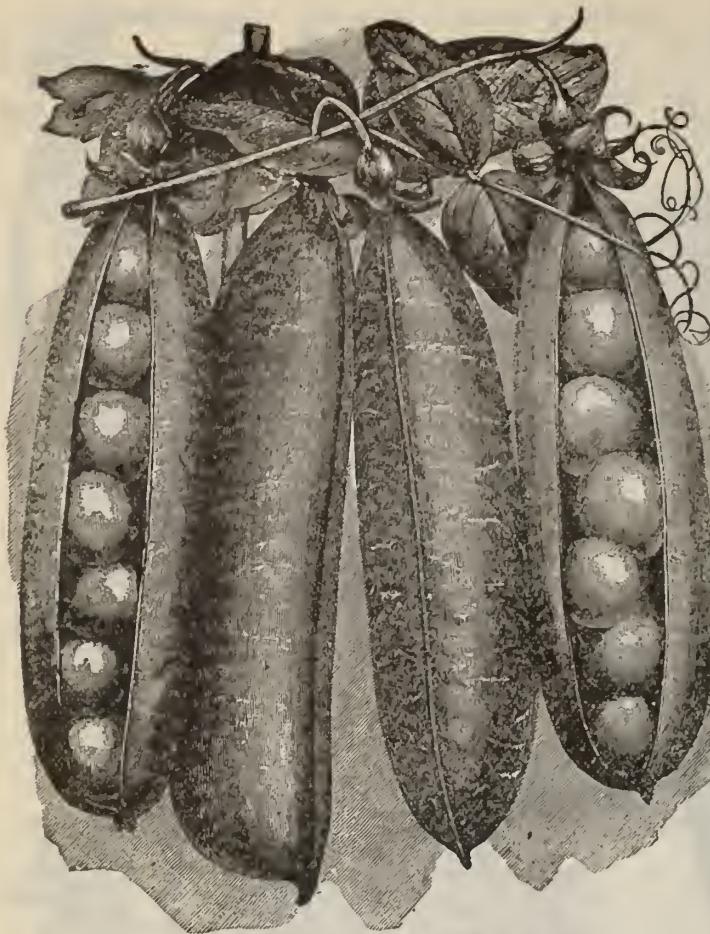
BLUE PETER—A splendid dwarf-growing variety. A good cropper and very hardy. Pea, good flavor; seed blue and round. Pkt. 5c, ½ pt. 15c, pt. 25c, qt. 40c.



French Canner.



Duke of Albany.



NOTT'S EXCELSIOR PEAS.

GREGORY'S SURPRISE PEA.

VERY EARLIEST of all the WRINKLED VARIETIES.

Gregory's Surprise is one of Mr. Horsford's creations, he having obtained it by crossing "Earliest of All" on the "American Wonder," and the result is a wrinkled pea as early as the "Earliest of All" with the quality of the Wonder.

The sum of the matter is that in the Surprise we have a new wrinkled pea fully as early as the earliest of the hard peas. If it has the hardiness of its parent, Earliest of All, the knell of the early class of hard peas has struck, for the public well know that they are inferior in quality, and will cease buying them as soon as they can find a wrinkled pea in the market as early as the Station, Eclipse, American Wonder and Nott's Excelsior not excepted. Compared with the early hard sorts it will be found to be decidedly earlier than many of them, including the well-known Alaska and Maud S., while it is as early as the very earliest of them. Vines grow 24 inches high and need no bushing; pod well filled, containing 6 or 7 peas; not as large as the American Wonder, but it is a far better cropper and ready for the market days before it. Pkt. 10c, $\frac{1}{2}$ pt. 20c, pt. 30c, qt. 50c, postpaid.

NOTT'S EXCELSIOR PEA.

THE FINEST DWARF WRINKLED EXTRA EARLY VARIETY.

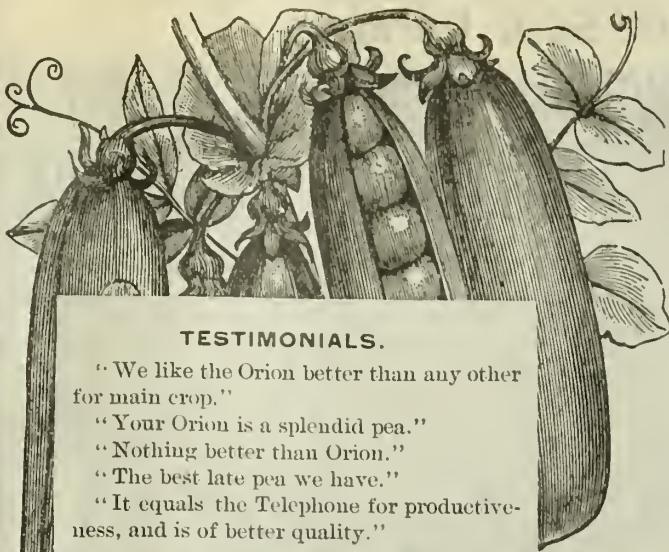
This most excellent new pea was originated in Vermont, by Richard Nott, the well-known specialist. It is the best of recent introductions; vines are larger and more vigorous than the American Wonder, while the pods are fully one-third larger, containing 6 to 8 fine, large peas, packed so closely together in the pods that the peas are always more square than round. The pods are always well filled with peas, which, in sweetness and quality have no equal, being superior to any other wrinkled sort. Pkt. 10c, pint 25c, qt. 40c, postpaid.

Alaska, or Earliest of All—This beautiful blue market pea has become a standard variety, and the earliest of all blue peas. The vines are dwarf, growing only about twenty inches high; very uniform, maturing the crop for one picking; of excellent quality, fine flavor, sweet and retains its desirable color after cooking: excellent for canning and for the market or private garden. Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 35c, postpaid.

Improved Stratagem—Very large dark green peas of the finest quality. All the good qualities of the old Stratagem are highly developed, and it is vastly superior to the stocks now generally sold as Stratagem. Vine medium height, but very stocky, with very broad, light green leaves and bearing an abundance of large handsome pods. The best pea now on the market for those who want large, showy pods and peas without any sacrifice in quality. Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c, postpaid.



GREGORY'S SURPRISE PEAS.



TESTIMONIALS.

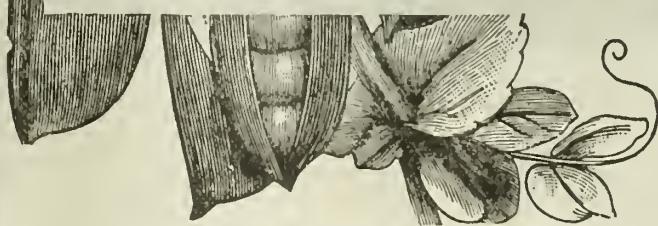
"We like the Orion better than any other for main crop."

"Your Orion is a splendid pea."

"Nothing better than Orion."

"The best late pea we have."

"It equals the Telephone for productivity, and is of better quality."



NEW ORION PEAS.

ored peas. Height four to five feet; seed whitish-green and much shriveled. Very inferior and mixed stocks of this sort are frequently offered, but when the seed is as well grown and selected as that we offer, we consider this variety equal in quality to any in cultivation, and one of the best of its season, either for the amateur or market gardener. Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c.

HORSFORD'S MARKET GARDEN PEA.—The best second early pea, a cross between the Alpha and the American Wonder. It grows from 20 to 30 inches high, is very stocky, and requires no bushing. It is extremely prolific and bears its pods always in pairs. On some of the best plants over 150 pods have been counted. It has yielded at the rate of over fifty bushels per acre. The shelled crop of this sort weighed nine ounces more than that of any other kind of the twenty-eight kinds tested at the Ohio Experimental Station.

Pkt. 5c, pt. 25c, qt. 40c.

TELEGRAPH.—Stronger growing and hardier vine, with darker foliage, than the Telephone, and very large, sweet green peas, which when dry are almost smooth. Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c.

TELEPHONE.

THE VERY BEST OF THE LARGE PODDED SORTS.

The pods being a bright green they retain their color after being picked for a long time, so that they are salable after being picked several days. On the Chicago market they command at least one-third higher price than any other pea.

Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c.

BLACK-EYED MARROWFAT.—This is one of the standard late sorts. It is hardy, productive and of good flavor. Very popular for market use.

Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 20c, qt. 35c.

WHITE MARROWFAT.—Similar to above, but the peas are all white, having no black-eye. Pkt. 5c, $\frac{1}{2}$ pt. 10c, pt. 15c, qt. 30c.

MELTING SUGAR.—There is a class of peas (little known in this country but much used abroad) in which the large, sweet, brittle and succulent pods have none of the tough inner lining found in the ordinary varieties of garden peas. They are used in the same way as snap or string beans. The best of these edible podded sorts is the Melting Sugar, of which we offer a very fine strain. The pods are very large, straight, extremely tender, fine flavored, and are borne in great abundance on vines 3 to 4 feet high.

Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c.

DWARF GREY SUGAR.—Edible pods. Grows about two feet high, and is remarkable for its earliness as well as its character. The seeds are large, shriveled and of a dark brown color. The pods are broad, flat and crooked, and contain five or six peas. Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c.

TALL AND DWARF SUGAR.—Edible pods. About two feet in height, very sweet and tender. Only to be eaten with pods.

Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c.

NEW ORION PEAS.

This excellent new pea originated at Fort Atkinson, with Thomas Crane, and was introduced for the first time by us in 1896.

The pods are large, finely shaped and well filled with large, delicious peas. The dried peas are large, light-yellow, very much dented. It is an entirely distinct variety.

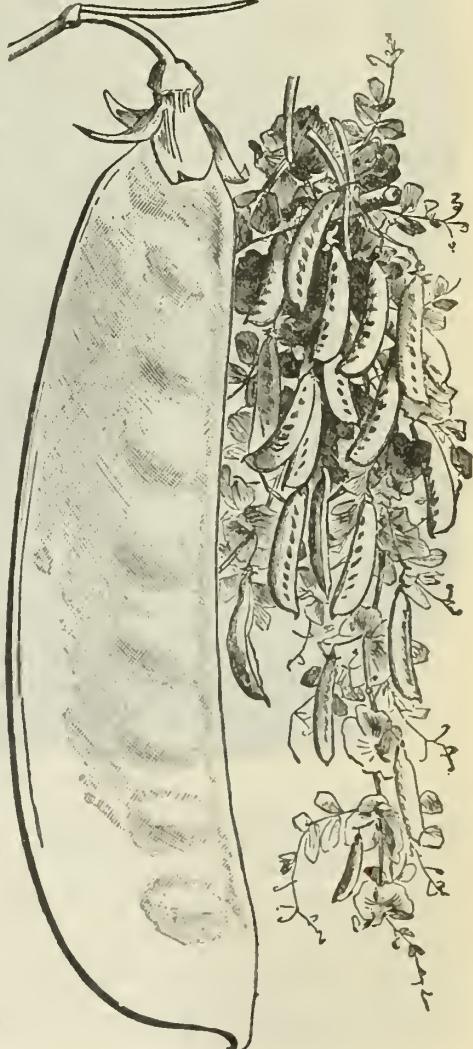
There is one good feature about the Orion which the Telephone and others do not possess, and that is, that when the peas are cooked the skin of the Orion is soft and tender, while Telephone and other similar sorts have a tough skin which is very noticeable in the eating.

The vines of the Orion are strong, stand up well: are about $2\frac{1}{2}$ to 3 feet high: need no support. It is a very prolific variety, and will give every satisfaction for home use or for market. We have grown this pea for three years now. The past season we had Telephone, Sharpe's Queen, Heroine, Shropshire Hero, Stratagem, Duke of Albany and many more of the large wrinkled peas of recent introduction, on our farm, alongside of Orion, and it proved the best of them all. Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c.

PRIDE OF THE MARKET.—Vines of medium height, stiff, with large, dark green leaves and bearing at the top, generally in pairs, a fair crop of very large, dark green pods well filled with large peas of good flavor. We have given this variety special attention, and the stock we offer is so much superior to that commonly sold as to seem a different sort. We recommend it as one of the very best of the large podded varieties.

Pkt. 5c, $\frac{1}{2}$ pt. 15c, pt. 25c, qt. 40c.

CHAMPION OF ENGLAND.—Very productive and universally admitted to be one of the richest and best flav-



MELTING SUGAR PEAS.

Leonard's Choice Seed Potatoes.

*Extra Early Ohio Potatoes*

Extra Early Ohio—Nothing has yet been found to take the place of this tried and popular Extra Early. Many new candidates for favor come and go, but true stock of this one holds its own and never fails to meet every want exacted from an Early Market Potato. It is so well known as to need no description, but owing to the good prices at which potatoes have been selling ever since harvest, we thought it well to secure stock for seed while it was to be had, and we wish to announce to all who will need true stock of the Extra Early Ohio, that we can supply as fine a lot as has ever been offered. There will be a large demand for this potato, and early orders should be sent in order to insure delivery. Pk. 75c, $\frac{1}{2}$ bu. \$1.00, bu. \$1.75, bbl. \$3.

Early Six Weeks Market—This is a fine Early Potato of the Ohio type, which has given excellent satisfaction to market growers whenever tried. It is claimed for it, that more potatoes can be dug from an acre, than the Ohio will produce. In shape it resembles the Ohio, but is more inclined to roundness and the color of the skin is somewhat more rosy than the Ohio. In earliness it equals the Ohio in this vicinity, but we do not find it earlier. It is claimed in some other sections to be earlier than Ohio, and many reliable parties are quoted to prove that it is the earliest potato grown. In any event, it is a good, safe,

early potato for any market, and whatever good points it may have over the Ohio, if they can be brought out would be worth the effort of any grower. Pk. 75c, $\frac{1}{2}$ bu. \$1.00, bu. \$1.75, bbl. \$3.

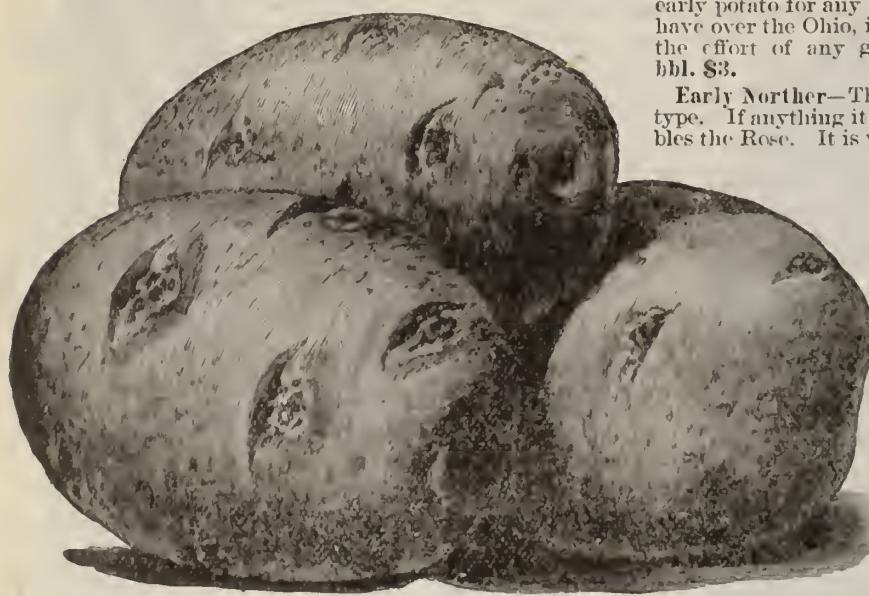
Early Norther—This is a fine new variety of the Early Rose type. If anything it is earlier than the Rose. In color it resembles the Rose. It is very productive, close growing and vigorous.

A splendid addition to the list of early varieties. Pk. 60c, bu. \$1.25, bbl. \$3.

Early Everitt—This is also of the Rose type, and ripens with the Ohio. It is a little more pointed at the ends than the Rose. It is a very abundant cropper, and in quality rivals the Ohio. Pk. 60c, bu. \$1.25, bbl. \$3.

Polaris—This variety has become popular for its excellent quality. It cooks as mealy as the old Snowflake. The tubers are of medium size, white skinned and handsome. It crops abundantly. Pk. 60c, bu. \$1.25, bbl. \$3.

Freeman—This variety still holds its own among the newer varieties for excellent quality. It has been widely advertised and is deservedly popular. Our stock is grown from seed furnished by the introducer. Pk. 60c, bu. \$1.25, bbl. \$3.

*Early Six Weeks Market.*

Crown Jewel—This fine potato has had a longer run with us than any other sort that we have ever catalogued. In form it resembles the "Beauty of Hebron." It was introduced by an Eastern house six or seven years ago, and by them was called a self-seedling of the Early Ohio. It is very early, a wonderful cropper. The skin is white, having a rosy tint close to the eyes, and occasionally this rosy color extends well over the whole potato. We know of no variety that is better than this one for ordinary home use. Pk. 60c, bu. \$1.25, bbl. \$3.

Early Rose—Pure stock of this well known variety is very hard to get hold of. We consider that ours is as pure as any that can be procured. Pk. 60c, bu. \$1.25, bbl. \$3.

Early Beauty of Hebron—A standard early variety of sterling merit for home or market use. One of the best. Pk. 60c, bu. \$1.25, bbl. \$3.

June-Eating—One of the best early potatoes. The Chicago gardeners grow it for market with great success. Pk. 60c, bu. \$1.25, bbl. \$3.

We Supply all the Standard Varieties. Such as
EMPIRE STATE, and all
WHITE ELEPHANT, others at
WHITE STAR, BURBANKS,
GREEN MOUNTAIN, Uniform Price.
Pk. 50c, Bu. \$1.50,
Bbl. \$2.75.

LEONARD'S CHOICE SEED POTATOES.



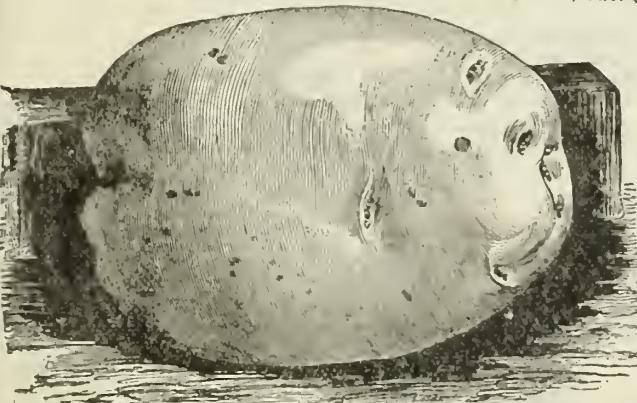
The Leonard.

THE IRISH DAISY.—This potato is of recent introduction and has been called "The greatest of all late potatoes." It is a smooth, oval, white, late, close growing potato. In size medium, and in productiveness the equal of any. The vines are rank and strong growing, which make it one able to withstand drought exceedingly well. The potato is a seedling of the Empire State, possessing all the strong qualities of its parent. The introducer says they will outyield White Star or Monroe Seedling two to one. Our stock is grown from the original seed. Pk. 75c, bu. \$1.50, bbl. \$3.

RURAL NEW YORKER No. 2.—This is one of the best potatoes on the list for medium or main crop. The tubers are well formed, large, are produced abundantly, and are of excellent quality. The vines are robust and will stand the drought well. Our stock is pure; came originally from headquarters and is very superior. Pk. 75c, bu. \$1.50, bbl. \$3.

WORLD'S FAIR.—A new potato of great value for general use. It is a first quality, strong growing, very prolific, main crop variety. Tubers are smooth, eyes so nearly even with the surface as to be almost imperceptible; perfectly symmetrical in form and outline; skin yellowish white, well covered with netting; flesh pure white, fine grained and mealy.

Pk. 75c, bu. \$1.50, bbl. \$3.



Livingston's Banner.

"THE LEONARD."

One of the Greatest All-Purpose Varieties Ever Introduced.

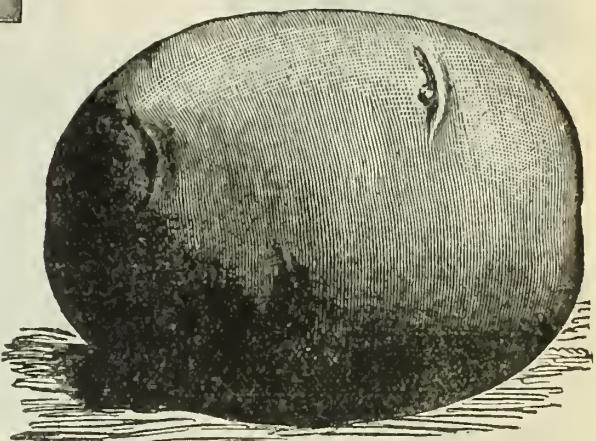
It is a fine-grained, smooth, rusty-skinned, white-fleshed potato, eyes few and shallow, shape round, elongated somewhat, but full on all sides. The vines are strong and vigorous, which enables it to withstand drought and the ravages of the potato-beetle wonderfully. In productiveness it is unequalled. In quality it is unsurpassed. Whether baked or boiled, it comes out floury and delicious.

At our Oak Glen farm the past year it out-yielded any variety we had. In season it is earlier than Rural New Yorker No 2, and in appearance it resembles the Rural, but is not so flat.

It is superior to Rural in quality and productiveness, and, taken altogether, it is the best medium early potato in the list. Pk. 75c, bu. \$1.50, bbl. \$3.

THE GREAT DIVIDE.—This potato originated with Mr. Van Orman, the veteran potato grower, and is claimed to be the most robust growing, finest bearing, longest keeping and best shipping main crop potato in America. While the foregoing are strong claims, probably too strong, it is nevertheless a fact that this potato is one of exceptional merit. The tubers are of oblong round form, skin very white, firm and tough. Grows compactly in the hill, and while the tubers are well under the ground they are borne near the surface of the soil. Size, large to very large, with scarcely a small one. In season it is medium to late.

Pk. 75c, bu. \$1.50, bbl. \$3.



Rural New Yorker No. 2.

LIVINGSTON'S BANNER.—A very fine new sort, introduced two years ago. It makes one of the handsomest tubers we ever saw. In season it is medium early, about the same as Rural No. 2. The vines, when grown alongside of Rural No. 2, showed a marked difference in color and general appearance. Its vine is not so rank as the Rural, but sufficiently strong to indicate vigor and good productiveness. With us it is very productive, and is without doubt one of the good varieties recently introduced. We highly recommend it.

Pk. 75c, bu. \$1.50, bbl. \$3.

MAGGIE MURPHY.—A handsome late variety of the Early Rose type, large, pink color, good quality, prolific. Vines strong and vigorous. Pk. 75c, bu. \$1.50, bbl. \$3.

CARMAN No. 1.— { Two Grand New Potatoes.
CARMAN No. 3.— { Pk. 75c, bu. \$1.50, bbl. \$3.

SWEET POTATOES.

These potatoes are grown for seed purposes, and have not been kiln-dried. We do not ship until April, as they are apt to freeze and rot. Orders should be placed early, as prices may advance later in the season. Sweet potatoes to go long distances should be sent by express. It costs more, but they spoil very soon and freight is slow sometimes. Pecks cannot be sent by any other way satisfactorily. Do not ask us to ship a peck of sweets by freight.

EXTRA EARLY CAROLINA.—Extra early, bright yellow color, large cropper. Highly recommended, especially for all northern sections. Pk. 75c, bu. \$1.50, bbl. \$3.00.

EARLY GOLDEN.—Extra early, larger size than preceding, but not as mealy. Good yelder. Pk. 75c, bu. \$1.50, bbl. \$3.00.

RED BERMUDA.—Early variety, heavy yelder, light red color. In some sections called Red Yam. Pk. 75c, bu. \$1.50, bbl. \$3.00.

SOUTHERN QUEEN.—Early, improvement on the White Bahama, or Yam. Large size. Pk. 75c, bu. \$1.50, bbl. \$3.00.

YELLOW NANSEMOND.—Standard variety for main crop. Good keeper and of fine flavor. Pk. 75c, bu. \$1.50, bbl. \$3.00.

YELLOW JERSEY.—Similar to the preceding, only shorter and thicker in size. Pk. 75c, bu. \$1.50, bbl. \$3.00.

RED NANSEMOND.—Differs from the Yellow Nansemond only in color. Pk. 75c, bu. \$1.50, bbl. \$3.00.

RADISH.



White Strasburg.

White Strasburg, or Summer Hospital. Large, showy, half long, white sort. Grows with great rapidity, sometimes producing a crop in six weeks. It will keep in eatable condition two weeks before going to seed. Best summer radish grown. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.



Scarlet Globe.

Scarlet Globe. This variety is one of the finest for forcing and market gardening purposes. The shape is roundish oval; skin brilliant red, flesh white, solid, crisp, and very mild. Tops are very small. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Long Scarlet Short Top. The standard early, long variety for market or private use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.



Early Scarlet Turnip.

Early Scarlet Turnip. The standard early Turnip Radish. Fine flavored and mild. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Short White Turnip. Very early. Flesh pure white. Good shape and mild flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Carmine. An extra early variety of turnip-shaped radish. It is very mild and crisp. The flesh is white; the color is carmine, and the radish looks bright even when wilted. This is therefore very salable on the market even on the hottest days, when other radishes look dull and dry. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 60c.

New Green Scarlet Turnip. This is a very bright colored scarlet turnip radish, very early and short leaf, well adapted to forcing under glass; matures in 14 to 21 days, and its appearance will sell it in any market. lb. 60c.

Scarlet Turnip White Tip Forcing. This Radish is similar in appearance to the well known White Tip Scarlet Turnip. But it is much better adapted for forcing in hot beds and green houses, for two reasons. First it is much earlier, being ready for use in 14 to 21 days; it makes very small leaves, and in consequence can be grown much closer together. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 70c.



Glass Radish.

Glass Radish. This new radish comes from the same gardener in Denver, Colo., who originated the Denver Market Lettuce, and is a fine acquisition. It is a long radish of light pink color, white tipped, of uniform size. The flesh is transparent white, always crisp and brittle, even if grown to a large size, and mild flavored. It was named "Glass Radish" on account of the fine transparency of the flesh. Tried by us and other seedmen this season, it was pronounced one of the finest among the radishes. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70c.

Rosy Gem. Is a wonderful new radish. One of the very earliest in cultivation. Shape, a perfect globe; deep scarlet top, blending into pure white at bottom. Exceedingly tender, crisp and delicious. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.



Giant Stuttgart.

Giant Stuttgart. A new summer variety. Grows to an immense size. White flesh, very crisp and tender. Of good flavor and a good keeper. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.



Olive Shaped Leafless Forcing

Radish, Olive Shaped Bright Red Leafless Forcing. The extra early forcing Radishes lately introduced are remarkable for the small size of their leaves, they develop their roots in so short a time that the latter are practically in advance of the leaves. The character is still more noticeable in this new variety which, for that reason, we have called "leafless," and, in fact, the seed cotyledons, which assume a great development from the start, are the only green parts to be seen on the plants until the bulb is almost large enough for pulling. Only at that time one or two very short leaves are produced; they are rough and deeply crimped. A very early and quite distinct variety of beautiful bright color and of excellent quality. Pkt. 5c, oz. 10c, oz. 15c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.



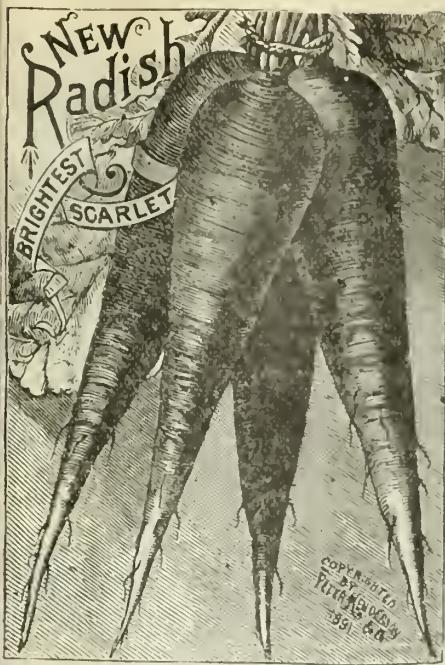
Leonard's Three Leaf Radish.

Leonard's Three Leaf Radish. So named on account of its extreme earliness and the fact that when there are three leaves formed besides the seed leaf it is large enough to eat, and it has grown to table-size in fourteen days from time of sowing. It is an improved form of the well known Scarlet Olive. Flesh is very crisp, tender and white, while the skin is a very bright scarlet, making a most beautiful appearance when blanched for market. Mr. Otto Paul says, that in February he grew a crop of the Three Leaf Radish in his greenhouse at the same time with Lettuce and that fourteen days from planting he pulled the radishes and sold them at a handsome profit, viz; 10 cents a bunch of four radishes. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.



White Tipped Scarlet Turnip.

White Tipped Scarlet Turnip. This is an early variety of medium size, of excellent flavor, and of very handsome appearance. Color, deep scarlet tipped with white. A great favorite in the Chicago market. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 60c.



THE NEWER RADISHES.

Earliest White Radish. This is the earliest white radish, good sized radishes having been pulled in from 14 to 18 days after sowing. The radishes are pure white, oblong, crisp and tender. The tops are small, which renders them suitable for forcing, and admits of close planting. Very desirable. Oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

The Cincinnati Market Radish. The tops of this new radish are very small, and may stand much closer in the rows than Wood's Early Frame or Long Scarlet, without danger of running to seed. They grow straight and smooth, and from 6 to 7 inches long. The flesh is very tender, crisp and delicious, never becoming pithy or hollow. The skin is very thin, and is of an attractive bright scarlet color. Oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

The Berham Forcing Radish. This is to our knowledge the quickest turnip radish in existence, being ready for the table before any other sort. The radishes are round, flesh crisp and tender, with small tops and very thin tails, and of a bright scarlet color; in fact it is the brightest red scarlet turnip radish—the same shade which made the Scarlet Globe and 20 Day Forcing Radish so popular. Oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 70c.

Twenty Day Forcing. Matures in 20 days—color, bright scarlet; short tops, fine flavor, a very profitable sort. Oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c, \$3.00.

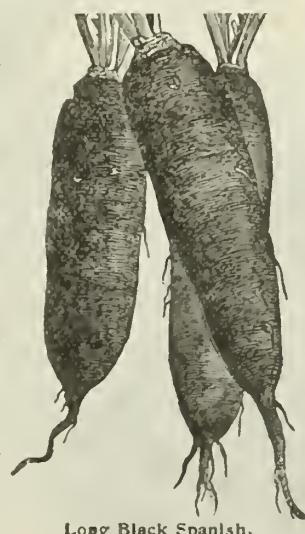
Twenty Day Forcing—White Tip. Like the above, but with white tip. Oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

Early Scarlet or Prussian Globe. A desirable turnip sort for hot-bed forcing; very early; flavor mild, crisp, juicy and tender; top small; will stand heat without becoming pithy. One of the best selling and most attractive radishes on account of its very bright scarlet color and shape. Oz. 10c, $\frac{1}{4}$ lb. 20c, 1 lb. 50c, 5 lb. \$2.00.

Earliest Carmine Olive. A new, distinct and beautiful variety of great forcing value. The roots are crisp and tender, much larger than those of the turnip sorts, while the tops are far smaller. A most valuable variety for the enterprising market gardener. Pkt. 3c, oz. 7c, $\frac{1}{4}$ lb. 20c, 1 lb. 65c.

Ne Plus Ultra. This is one of the finest forcing radishes introduced, and has already taken a leading place with our market gardeners. It will mature in 18 to 20 days, and owing to the extremely small tops can be sown very thickly. The roots are round, with a deep scarlet colored skin, the flesh white, very crisp and tender. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, 1 lb. 60c.

Leonard's Market Garden Radish. An improved form of the Scarlet Turnip White Tip Radish. We have selected and grown this strain, and it is preferred by the Chicago market gardeners to all others. It is very early, maturing in three weeks, and grows to a good size and will stand the longest of any early variety without getting hollow. It is used all summer at Chicago for succession. Pkt. 5c, $\frac{1}{4}$ lb. 20c, lb. 60c.



Long Black Spanish.

RADISH.

Scarlet Olive. Very tender and a beautiful color. Early. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

White Olive. Similar to above, except color, which is white. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

White Summer Turnip. Excellent for summer use; of mild flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Yellow Summer Turnip. Grows to a large size. Excellent to stand the heat and drought of summer. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Gray Summer Turnip. An excellent variety for summer use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

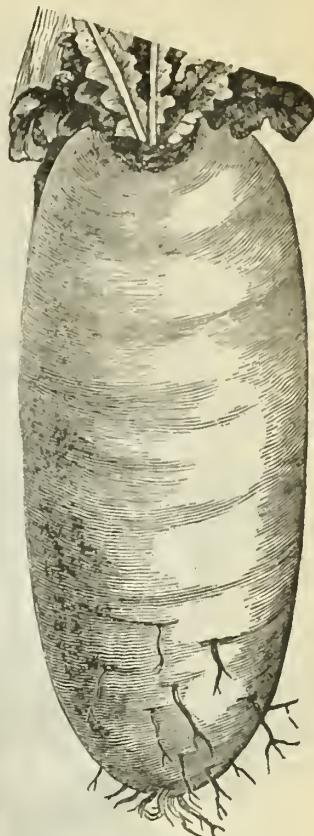
Wood's Early Frame. Very fine sort for forcing. Similar to Long Scarlet, but about half the length and ten days earlier. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Long White Vienna or Lady-Dugger. This is unquestionably the finest long white radish in cultivation. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Long White Naples. A mild flavored, long, white sort, good for summer and fall use. Oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

French Breakfast. Olive shaped, scarlet, with white tip; crisp and tender. Very early. A general favorite. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Brightest Long Scarlet. Also called Cardinal. A valuable new radish at once noticeable for its strikingly beautiful appearance. In shape it is very regular, smooth, and similar to the Long Scarlet, but shorter, the skin is of a fiery scarlet, the brightest color of any radish, the tail slightly tipped with white. It is extraordinarily early, maturing in 20 to 25 days, the flesh crisp and tender. Excellent for home gardening and particularly desirable for the market, as it sells quickly, because of its fine color and form. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.



Chinese Mammoth, or Celestial.

Chinese Mammoth, or Celestial. This immense winter radish is grown by the Chinese gardeners, and is one of the largest in cultivation. The flesh is white and solid and the flavor excellent. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 60c.

Chi-a Rose Winter. Standard winter variety, bright rose color, medium size, quality very fine. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

China White Winter. Similar to above, different only in color. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Long White Spanish. Rather milder in flavor than the Long Black Spanish. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Chartier. Decidedly distinct in appearance from any radish in cultivation. Its form is well shown by our engraving, the color at the top being crimson, running into pink about the middle, and from thence downward it is a pure waxy white. It will attain a very large size before it becomes unfit for the table. In fact, at nearly all stages of its growth the quality is excellent. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

California Mammoth White Winter. A giant white-fleshed fall radish of excellent quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 65c.

Long Black Spanish. One of the hardest and best for winter use. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

Round Black Spanish. Similar to above in color and texture but round in form. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

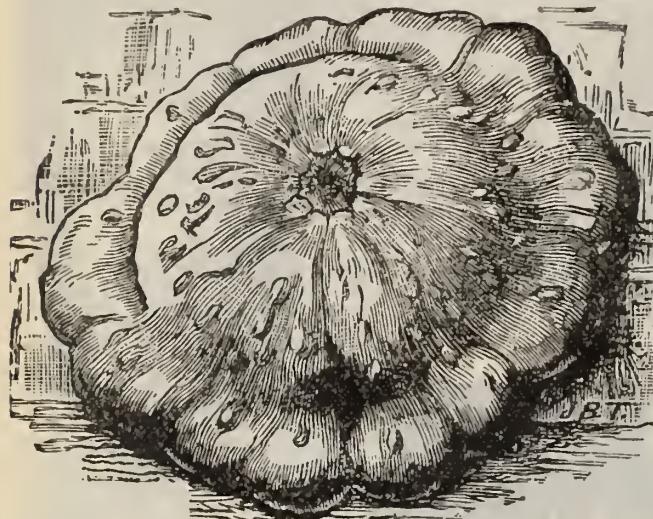
WRITE FOR PRICES ON LOTS
OF 10 LBS. OR OVER.

The prices on Radish are for the seed postpaid by mail. Deduct 10 cts. per pound from prices quoted if to go at your expense with other seeds.

SQUASHES

"STRAIGHT-NECK" SUMMER SQUASH—Market gardeners who ship early squash to distant markets, know the difficulty of packing the crook-necked variety in boxes to good advantage. In our "Straight-Neck" the bad feature of the crook has been overcome, and by continued selection the size has been increased, more uniformly in shape, improved quality. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, 1b. 60c.

LEONARD'S MAMMOTH WHITE BUSH—This has been obtained by years of



MAMMOTH WHITE BUSH.



MAMMOTH CHILI.



NEW RED HUBBARD.



GIANT SUMMER STRAIGHT-NECK.

careful selection. Although we have sold this squash for a number of years we again call special attention to it, having this year grown and selected some of the finest specimens ever raised. No such a field of squashes was ever seen before, for the immense squashes were produced in extraordinary numbers. They are of a beautiful glossy white color, very early, and growing to an enormous size. They average from twelve to fifteen inches across. The shapes are very uniform, almost facsimiles of each other. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, 1b. 60c.

ESSEX HYBRID—This is not only one of the richest flavored, finest grained and sweetest of all Squashes, but it is also one of the very best keepers that we know of. Short cylindrical shape, having on the blossom end a small cap-shaped enlargement. The flesh is dry, sweet and thick, and of a bright orange color. Long keeper. Those desiring a "dry" good-flavored Squash should grow ESSEX HYBRID.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, 1b. 50c.

FORDHOOK SQUASH—This is one of the earliest of the long-keeping winter varieties. If kept in a proper place it will remain good until the end of the following spring. It is medium in size, of attractive appearance, the exterior color being bright yellow. It is a vine variety and produces fruits at almost every joint; the flesh is deep and the rind is exceedingly thin and tough, and the seed cavity small.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, 1b. 60c.

MARBLEHEAD—An excellent variety resembling the Hubbard. The flesh is rather lighter in color than that variety, while its combination of sweetness, dryness and delicious flavor is remarkable. Its yield is equal to the Hubbard, and its keeping qualities are better. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, 1b. 50c.

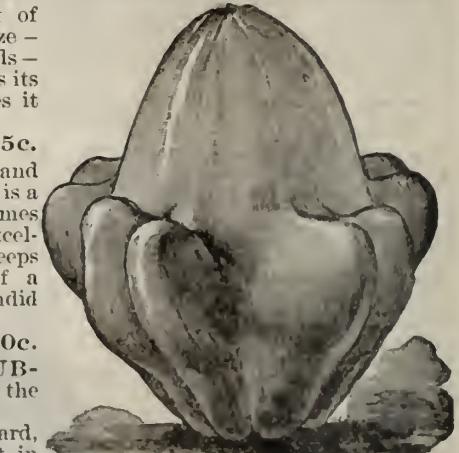
MAMMOTH CHILI—The largest of all Squashes, growing to an immense size—often weighing over two hundred pounds—while its rich, fine-flavored flesh insures its value for all purposes. Its size makes it valuable for stock feeding.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, 1b. 75c.

PINEAPPLE—A summer, fall and winter variety. The color of the skin is a creamy white. In time of ripening it comes in with the Perfect Gem, and is of excellent quality when quite young, and keeps well all winter. The flesh is also of a creamy white color, fine grain and splendid quality, having a rich cocoanut flavor.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, 1b. 50c.

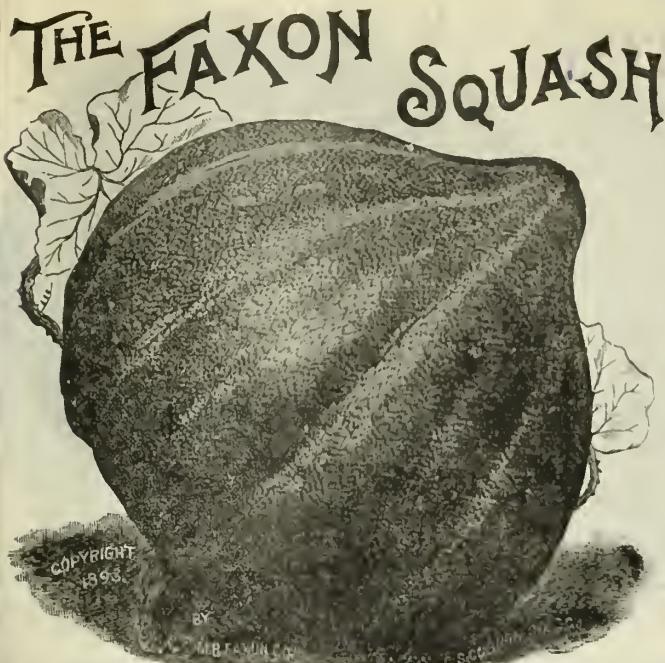
NEW RED OR GOLDEN HUBBARD SQUASH—A perfect type of the green Hubbard, except in color.



PINEAPPLE.

which is a bright, deep orange yellow, very showy and attractive. Flesh deep golden yellow, much richer in color than Hubbard, fine grained, cooks very dry and is of excellent flavor. Its keeping qualities are fully equal to, while in productiveness, it far excels the old variety.

Pkt. 5c,
oz. 10c,
 $\frac{1}{4}$ lb. 30c. 1b. \$1.00



SQUASH.

FAXON'S BRAZILIAN SQUASH—It is remarkably prolific in habit; quality, dry and rich without regard to the size, coloring or time of ripening of the fruit—something entirely different in this respect from any other squash. Its valuable points are earliness, long keeping and high table qualities. We are recommending it to all for general use in the home garden. **Pkt. 5c, oz. 10c, 1/4 lb. 20c, 1b. 75c.**

GOLDEN CUSTARD BUSH—Exceeds in size any of the scalloped sorts, frequently two feet in diameter. A dark, rich golden yellow. Quality excellent. It grows in bush form, wonderfully productive. **Pkt. 5c, oz. 10c, 1/4 lb. 20c, 1b. 75c.**

DELICATA—Early and very prolific; of oblong shape. Ground color, orange-yellow, splashed and striped with very dark green. Although of small size, the squashes are very solid and heavy, while the quality is rich and dry. An excellent "all seasons" squash. **Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1b. 75c.**

BOSTON MARROW—Second early, coming in about ten days after the Bush and Crookneck sorts. Skin yellowish, very thin; the flesh dry and fine grained, and of unsurpassed flavor. **Pkt. 5c, oz. 10c, 1/4 lb. 15c, 1b. 50c.**

IMPROVED CUSHAW—This is the genuine Cushaw of "yesteryear," and is a great favorite where known. It is very beautiful in appearance, being a distinct mottled green and white striped. The flesh is yellow, solid, fine grained, very sweet, and excellent for pies; also good for baking. In weight they average about 15 pounds, but on good, rich soil 30 pound specimens are common, and even 35 and 40 pounders are found. They are hardy, and bugs seldom eat them, especially when other varieties are near. Can be grown among corn, same as pumpkins, and yield a good crop, but the better way is to grow them separately on good, rich soil, in hills ten to fifteen feet apart each way. This variety sells well on market, and should be in the hands of every market gardener. **Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1b. 80c.**

COLVIN'S ORANGE MARROW—Its distinctive feature, and the one which gives it the greatest and most widespread popularity, is its earliness—it is at least ten days earlier than any other long keeping sort. It grows as large as the Hubbard, and is of good quality. It is in season from September to January, and is the most salable kind during that time in the market; this is owing to its smooth and handsome shape, good size and creamy orange skin. We know that it will satisfy all. **Pkt. 5c, oz. 10c, 1/4 lb. 15c, 1b. 50c.**

HUBBARD—A general favorite and more largely grown as a late sort than any other; it is of large size, often weighing from nine to ten pounds. Color, bluish green, occasionally marked with brownish orange or yellow. Flesh fine grained, dry, and of excellent flavor. It can be had in use from September to May. **Pkt. 5c, oz. 10c, 1/4 lb. 15c, 1b. 50c.**

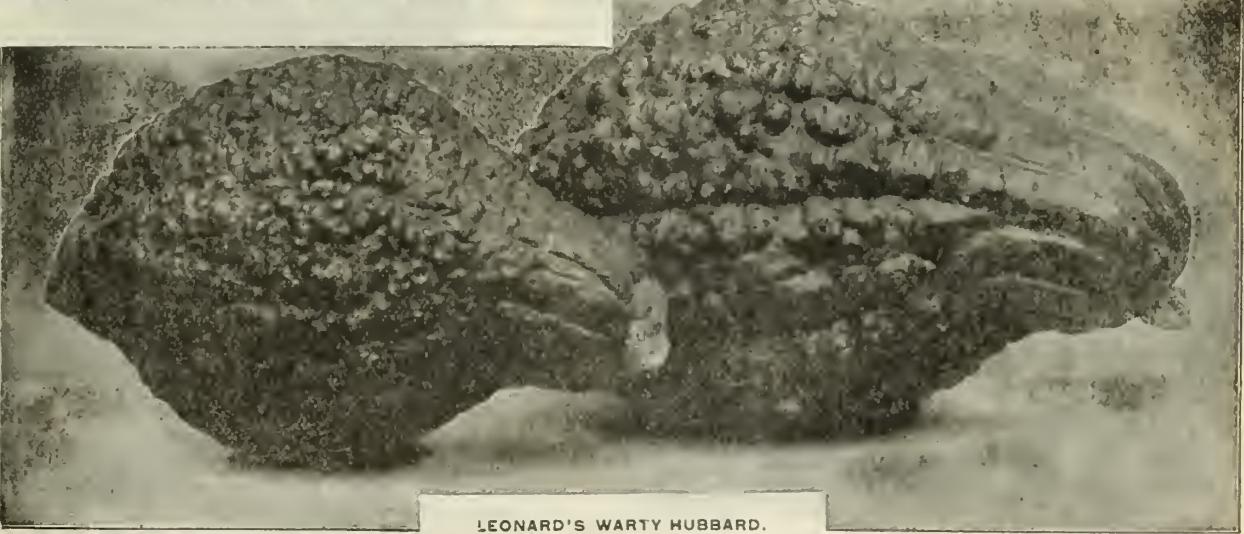
WARTY HUBBARD SQUASH.....

HUBBARD SQUASH.

Introduced by S. F. Leonard in 1894. This squash is now considered the best strain of Hubbard. It combines the fine points of the original strain with increased size, rougher, harder shell, improved quality, thicker flesh, finer color, stronger constitution. In short, it is unapproached as a winter squash, and will undoubtedly stand for many years as the best type of the famous Hubbard. The illustration below is a photograph of two specimens taken from the field where our stock was grown. **Pkt. 5c, oz. 10c, 1/4 lb. 30c, 1b. \$1.00**



COLVIN'S ORANGE MARROW.



LEONARD'S WARTY HUBBARD.

THE EARLIEST TOMATO IN THE WORLD



LEONARD'S EARLY MARKET.

Leonard's Early Market— This fine new Tomato is absolutely the best and smoothest of any of the extra early sorts. It is ready to sell 5 to 10 days ahead of the others, and for those who desire a real early Tomato, it is highly recommended. In color it is a bright red; has a comparatively smooth surface. The vine is strong and the fruits set close. It is quite productive and offers chances for money making to all gardeners who can get it in and out of the way before the Acme and other main crop varieties are offered.

Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 25c,
1 lb. 60c, 1b. \$2.25.

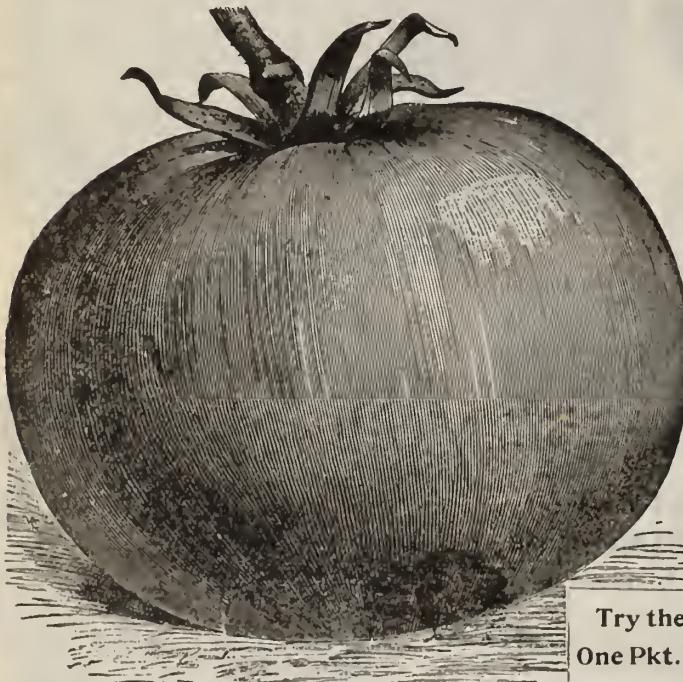


Atlantic Prize— This variety after Leonard's Early Market, is the most desirable real early Tomato. It is a well known Tomato, as heretofore it has been called our Earliest Smooth Tomato, and for years has given satisfaction.

Pkt. 5c, $\frac{1}{2}$ oz. 10c, oz. 20c, 1 lb. 60c, 1b. \$2.25.

The New Imperial— Without doubt this is the best main crop Tomato now in cultivation. It is large, solid and smooth; has the right color for the Chicago market and makes the evenest, handsomest show in the tomato box of any we have. We think it better than Acme, Essex Hybrid or Beauty, and that is as much as we need say of any Tomato.

Pkt. 5c, $\frac{1}{2}$ oz. 15c, oz. 25c, 1 lb. 75c, 1b. \$2.50.



Try them all.
One Pkt. of each
20c.

NEW IMPERIAL TOMATO.



HONOR BRIGHT TOMATO.

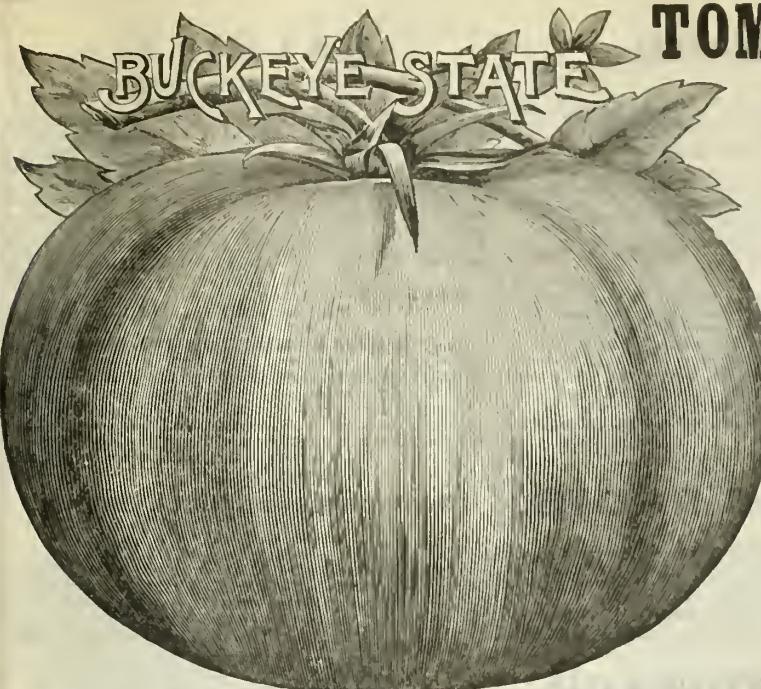
The Honor Bright— This is a remarkable red variety. The color of the fruit when fully ripe is a rich, bright red, but before reaching this stage it undergoes several interesting changes. First it is light green, then an attractive waxy white, then lemon changing to red. It is one of the most attractive and handsome varieties grown, and well adapted for home use and market, and on account of its solidity and long keeping qualities, it is especially recommended for shipping.

Pkt. 10c, $\frac{1}{4}$ oz. 30c, oz. 50c, 1 lb. \$2.00.

Ponderosa This variety when conditions are favorable, grows to an immense size and makes the heaviest fruit of any in the list. Our stock is from the original strain. None better.

Pkt. 5c, $\frac{1}{4}$ oz. 15c, oz. 25c, 1 lb. 75c, 1b. \$2.50.





TOMATO.

BUCKEYE STATE—A mammoth growing tomato of smooth form and extra quality. The largest fruit-ed variety yet introduced.

Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c.

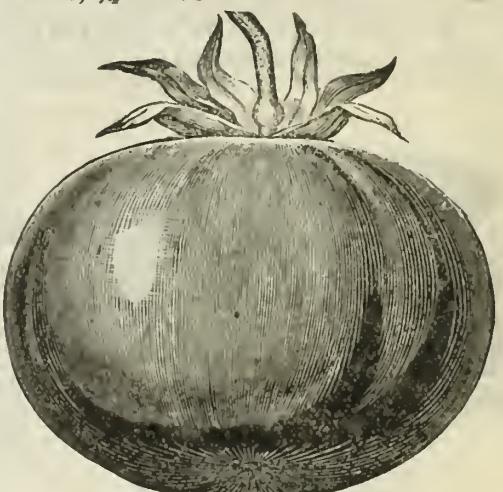


YELLOW PEACH—A very beautiful variety having a skin similar to a peach in texture, and of a deep lemon-yellow. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 90c.

ACME—One of the best standard sorts. Of a fine crimson-purplish color. Shape is smooth, size large and uniform. For the market or home garden no sort is better. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

ESSEX HYBRID—Similar to the Acme in color and general appearance, but is considered a better shipper and keeper. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 50c.

SCOVILLE'S HYBRID—The best deep-red sort, Excellent for canning. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 50c.



THE MATCHLESS—This is a fine new sort, well worth a trial. The fruit is of fine form, solid, and very free from core.

The vines are vigorous, producing a great quantity of fruit. All should try this. Pkt. 5c, oz. 20c.

FAVORITE—A fine standard variety. It is a good shipping sort, fine for canning. Excellent sliced, good for the market or home garden. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 50c.



MIKADO, OR TURNER'S HYBRID—A most excellent variety. In color like Acme. The vine is strong, vigorous and hardy, having a leaf something like a potato. For either the market or home garden this will be found highly satisfactory. Pkt. 5c, oz. 20c.

DWARF CHAMPION—A splendid sort. The vines are upright in habit of growth, strong, hardy and exceedingly productive. For the market gardener this is one of the best. Pkt. 5c, oz. 20c.

NEW STONE—A fine, hard, solid tomato of bright scarlet color. For canning it is one of the best. We recommend it highly for home use. Market gardeners in the vicinity of Chicago think highly of it. Pkt. 5c, oz. 20c.

PERFECTION—Of good size, color red. An early ripener. Almost round, smooth and solid. Very productive. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 75c.

BEAUTY—One of the finest tomatoes grown. It ripens early, is of good size. Vines are strong, vigorous and productive. For any purpose for which a tomato is used, the Beauty will be found admirable. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 50c.

WE SUPPLY THE FOLLOWING WELL-KNOWN KINDS:
Paragon Optimus Volunteer Iognotum Red Cherry Yellow Plum Trophy
Prelude Red Pear Red Currant Excelsior Conqueror | Pkt. 5c, oz. 20c.



Husk Tomato.

ROYAL RED—A fine new tomato. Medium size, smooth, solid. Pkt. 5c, oz. 20c.

GOLDEN QUEEN—A fine large yellow-skinned tomato of splendid flavor. Good for slicing with the red for contrast. Pkt. 5c, oz. 20c.

HUSK, OR GROUND CHERRY—This is a small-sized fruit grown within a husk. It is valuable for preserving, for making into pies, or for eating from the hand. There are two colors, either of which we can supply as follows:

Yellow Husk Tomato, pkt. 5c, oz. 35c.
Purple Husk Tomato, pkt. 5c, oz. 35c.



Sandwich Island Salsify.

RHUBARB

LINNAEUS—This is one of the oldest varieties. It is a large, strong grower, has a greener stalk than Victoria, and is not so popular.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

VICTORIA—A large growing variety, one of the most popular with market gardeners. It makes a very broad stalk; comes very early in the spring. For home use it is best.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

MAMMOTH—The most vigorous and productive variety known. The leaf stalks are very numerous, the larger ones being 18 inches long, and fully one and one-half inches wide. The whole plant is nearly five and a-half feet in diameter, while the leaves, exclusive of the flower stalks, are about two and a-half feet in height. It is the first article of the season from the garden, and no garden should be without it.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

RHUBARB ROOTS.

Time can be saved by planting the roots of rhubarb. It is the most satisfactory method for the amateur. We can provide fine, strong roots of either of above varieties at the following prices: Prepaid by mail each 10c, per doz. \$1.00; not prepaid per doz. 75c, per 100, \$4.00, per 1,000, \$30.00.

SPINACH.

EXTRA LARGE ROUND THICK LEAVED—This variety is adapted for both spring and fall sowing, and is one of the best for market and family use. Oz. 5c, $\frac{1}{4}$ lb. 10c, lb. 30c.

LARGE LEAVED VIBOFLAY—A good variety of lettuce-leaved Spinach. Best for summer use. Oz. 5c, $\frac{1}{4}$ lb. 10c, lb. 30c.



New Victoria Spinach.

NEW ZEALAND—This sort is grown to supply the place of the ordinary Spinach during the hottest months of the year, or in dry, arid localities where the ordinary Spinach does badly. The leaves are eaten boiled like those of the other kinds.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

PRICKLY OR FALL—This is the best for fall sowing. Very productive.

Oz. 5c, $\frac{1}{4}$ lb. 10c, lb. 30c.

VICTORIA—The foliage is heavy, the broad, dark green leaves being of the true Savoy appearance, and are of the finest quality; but the feature that makes it of special use, both for market and family gardens, is that it is in prime condition from two to three weeks after all other varieties of Spinach have run to seed.

Oz. 5c, $\frac{1}{4}$ lb. 10c, lb. 30c.

SALSIFY.

(Vegetable Oyster.)

When properly cooked it is a good substitute for oysters in taste and flavor, and is very nutritious. In cooking the roots are usually boiled, or they can be mashed and made into fritters. It succeeds best in light, well-enriched soil. If it is necessary to use manure, it should be very fine and well-rotted. Sow early in drills eighteen inches apart and two inches deep; finally thin to four or five inches apart. The roots are perfectly hardy, and may remain out all winter. They are best after frost has touched them.

SALSIFY—Common

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c.

MAMMOTH SANDWICH ISLAND—Grows uniformly to an extra large size, averaging fully double the size and weight of roots of the old variety. The roots, notwithstanding their enormous size, are of very superior quality and very delicate flavor. It is such a decided improvement that we are quite sure that all market gardeners who try it will use it exclusively.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

Scorzonera, or Black Salsify.

(Schwarzwurzel.)

Treatment same as Salsify, which it closely resembles, except that the skin is black. Soak in water a few hours before cooking, to remove the bitter taste. One ounce will sow fifty yards.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.

SORREL.

BROAD LEAVED, FRENCH—This is the best variety—large leaves of a pale color. Cultivated for its acidity, and much used in salad.

Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

TOBACCO.

PRIMUS (See cut)—This variety is new, and the earliest known. The leaves are large and finely flavored, an abundant yielder, and quick to sell at topmost prices. This variety will mature in the far North before frost can destroy it.

Pkt. 10c, oz. 20c, lb. \$2.00.

BURLEY KENTUCKY WHITE—Very popular in the West.

Pkt. 5c, oz. 20c.

BRAZILIAN AMERICAN—Excellent for cigars and pipe tobacco. Our stock is the finest of Brazilian grown.

Pkt. 5c, oz. 20c.

CONNECTICUT SEED LEAF—The best sort for cigar wrappers. Try it.

Pkt. 5c, oz. 20c, lb. \$2.00.

HAVANA—This is the genuine article, and is first-class.

Pkt. 5c, oz. 20c, lb. \$2.00.

OHIO—White leaved. A large yielder.

Pkt. 5c, oz. 20c, lb. \$2.00.

YELLOW ORONOKA—A fine yellow variety. Very mild.

Pkt. 5c, oz. 20c.

WHITE STEM ORONOKA—Same as Yellow Oronoka, with white leaves.

Pkt. 5c, oz. 20c.

PENNSYLVANIA SEED LEAF—This is the variety mostly grown for cigars, and is of fine quality and excellent flavor.

Pkt. 5c, oz. 20c, lb. \$2.00.

PERSIAN ROSE—A fine brand for cigars. Sells well.

Pkt. 5c, oz. 20c.

YELLOW PRYOR—A fine yellow sort, and succeeds well where others fail.

Pkt. 5c, oz. 20c, lb. \$2.00.

BLUE PRYOR—This is the genuine article, and a good sort.

Pkt. 5c, oz. 20c.

GENERAL GRANT—Very early, and a good yielder.

Pkt. 5c, oz. 20c, lb. \$2.00.

HARBY—A Turkish variety. Stands heat and drought well.

Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.



Primus Tobacco.

TURNIP.

Extra Early White Milan Turnip—The Purple Top Milan is one of our most popular turnips for spring sowing, but in this new sort we have a splendid extra early turnip in which the extreme earliness, small top and tap root of the Purple top Milan is united with clear white skin and flesh. It will undoubtedly find a welcome in our markets, as, in addition to the heavy crop assured by its adaptability for close planting, it will be found to be fit for use at least a week earlier than any other pure white variety in cultivation.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 75c.

Extra Early Red Top Milan—The earliest in cultivation, two weeks earlier than Purple Top Strap Leaf. The bulb is flat, of medium size, quite smooth with a purple top. Flesh white, hard and of finest quality; it is an extra good keeper. *Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.*

Purple Top Munich—The earliest variety after the Red Top Milan. Color white, with purplish-white top. *Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.*

Red-Top Strap Leaf—Rapid grower and mild flavor, the most popular variety for early use, either for the table or stock. *Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.*

Early Snowball—A perfectly globe shaped, white skinned turnip. It is exceedingly productive. The flesh is fine grained, firm, and of very delicate flavor. It is one of the best keeping of the white fleshed sorts. Very early and particularly adapted for family or market use. We recommend it to market gardeners because its earliness and fine appearance makes it a very profitable variety of turnip.

EARLY WHITE MILAN.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Early White Flat Dutch—An excellent garden variety. The best for spring sowing. *Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.*

White Egg—Belongs to the class of quick-growing Fall Turnips, and for this purpose should be sown, in this latitude, between August 10th and 25th. Its shape is nearly oval or egg, as its name would indicate. Flesh very firm and fine-grained; thin and perfectly smooth skin, and both flesh and skin are of snowy whiteness. Its flavor is of the very best, mild and sweet, making it particularly desirable for table use, while its attractive appearance is certain to make it one of the most salable turnips that can be cultivated for market purposes.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Purple-Top White Globe—An early variety, globe-shaped. Heavy cropper. In other respects similar to the Red-Top Strap Leaf. A handsome looking bulb, and is rapidly taking the lead of all other varieties of early turnips for market garden purposes.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.

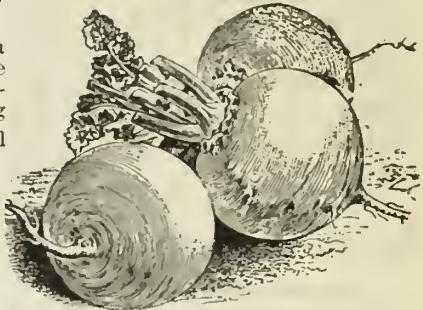
Yellow Aberdeen—Very hardy and productive, good keeper, globe shaped. Color pale yellow, with purple top. Very firm in texture, and closely resembling the Rutabagas in good keeping qualities. Good either for table or stock.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Large White Norfolk—The standard variety for field culture for feeding stock. Very large size. *Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 40c.*

Scarlet Kashmyr—A most distinct novelty, of such peculiar color that it has a striking resemblance to a large radish. "Unwarned judges would, no doubt, pronounce it one of those radishes so persistently complained of as tasting like turnips!" However, it is a turnip, and of most excellent flavor; of a deep, rich crimson above, shading to a soft crimson-rose below. It is an extra early strap-leaved variety, with beautiful large, smooth, white-fleshed roots of excellent keeping quality; smooth, thin, silky skin. This is the same variety that has been introduced from England under the name of **Cardinal Turnip**. *Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.*

Carter's Elephant—A new Turnip of great size and a wonderful cropper. In shape it is beautiful and perfect, and remarkably uniform, of quick growth and excellent quality. Owing to its very large size it will probably turn out 50 per cent. more bushels to the acre than any other, and is therefore the most profitable variety for large crops, especially for growing for stock feeding. *Pkt. 5c, oz. 10c, lb. 60c.*



EARLY SNOWBALL.

RUTABAGA, OR SWEDISH TURNIP. This variety is now very extensively cultivated, and preferred in many sections for its white flesh. It is very hardy and productive, keeps well until late in the spring, and is highly esteemed for its sweet, delicate flavor.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Improved American—The best yellow fleshed, purple top variety grown for stock or table. *Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.*

Carter's Imperial Hardy—An English variety resembling the preceding. Very productive and of fine quality. *Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.*

Sweet German—A superior variety for table or stock. Flesh firm, sweet and juicy.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Laing's Improved—One of the earliest of the Rutabagas. Forms a handsome bulb of good quality. Keeps well; good for table use.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.

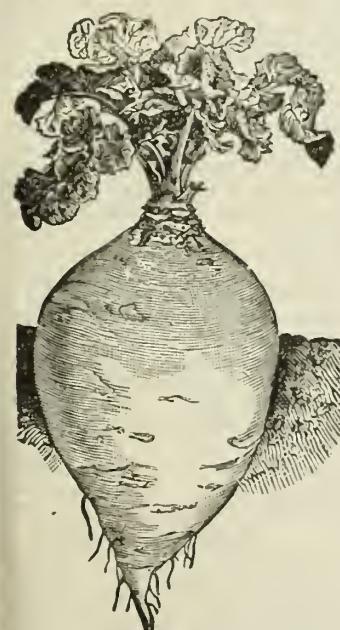
Long White French—A very delicate flavored variety. An excellent keeper and fine for table.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.

Skirving's Purple-Top—A very heavy cropper. One of the best for field culture.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 50c.

WHITE RUTABAGA.



Notice! OUR NEW LIST OF
SUGAR BEET
FOR SUGAR AND STOCK FEEDING.

PRICES OF SEEDS IN BULK

WHEN SHIPPED AT THE EXPENSE OF PURCHASER.

We make no charge for cartage, bags, boxes or packing, but at these prices buyer must pay all Express or Freight charges. Small parcels can go by mail if purchaser desires it. In such cases 10 cents for each pound and 15 cents for each quart must be added to these prices to cover postage.

MARKET GARDNERS OR OTHER LARGE BUYERS SHOULD WRITE FOR SPECIAL PRICES.

ASPARAGUS.

LB.

Barr's Mammoth.....	\$0.30
Conover's Colossal.....	.30
Palmetto.....	.30
Columbian Mammoth White.....	.65

BEANS—Dwarf or Bush.

BU.

Burpee's Bush Lima.....	6.00
Henderson's Bush Lima.....	5.00
Dreer's Bush Lima.....	6.00
Early Mohawk.....	4.00
Early Improved Red Valentine—Round Pod.....	4.50

White Valentine.....	4.00
Long Yellow Six Weeks.....	4.00
Round Yellow Six Weeks.....	4.00
Refugee, or 1,000 to 1.....	4.00
Extra Early Refugee.....	4.00
White Marrow.....	4.00
China Red Eye.....	3.00
Best of All.....	3.50
Dwarf Horticultural.....	4.00
Prolific Tree Bean.....	2.75
Navy Beans.....	2.50
Improved White Kidney.....	2.50
Goddard, or Boston Favorite.....	2.50
Broad Windsor.....	5.50
Davis Wax.....	4.00
Golden Wax.....	4.00
Improved Gold'n Wax, Rust Proof.....	4.00
Black Wax.....	4.00
Challenge Black Wax.....	4.00
White Wax.....	4.00
Prolific German Wax.....	4.00
Wardwell's Kidney Wax.....	5.00
Leonard's Yellow Eye Wax.....	4.00
Detroit Wax.....	4.00
Black Eye Wax.....	4.00
Scarlet Flageolet Wax.....	5.00
Currie's Rust Proof Wax.....	5.00
Yosemite Mammoth Wax.....	6.00
Pink Eye Wax.....	4.00
Refugee Wax.....	4.00
German Wax, White Seeded.....	4.00
Crystal White Wax.....	4.00
Speckled Wax.....	5.00
Bismarck Black Wax.....	4.00

BEANS—Pole or Running.

King of the Garden Lima.....	5.00
Child's Horticultural Lima.....	4.00
Early Dutch Case Knife.....	4.00
London Hort'l Cranberry Pole.....	4.00
White Creaseback.....	4.00
Red Spkld. Cut Short or Corn Hill.....	4.00
Ky. Wonder or Old Homestead.....	5.00
Scarlet Runner.....	5.00
Early Golden Cluster Wax.....	6.00
Gold'n ButterWax (Tall Mt. D'Or).....	5.00
Tall German Wax or Indian Chief.....	5.00
Golden Champion.....	6.00
Lazy Wife.....	6.00
Southern Prolific.....	5.00
Carolina Small White Lima.....	5.00
White Dutch Runner.....	5.00
New Jersey Extra Early Lima.....	5.00
Dreer's Improved Lima.....	5.00
Large White Lima.....	5.00
Challenge Lima.....	5.00
Giant Red Wax.....	5.00

BEETS—Table.

LB.

Leonard's Extra Early Egyptian.....	.40
Early Egyptian Blood Turnip.....	.40
Eclipse Blood Turnip.....	.40
Lentz Early Blood Turnip.....	.40

BEETS, Table—Continued.

BL.

Edmand's Early Blood Turnip.....	.40
Early Blood Turnip Improved.....	.40
Bastian's Blood Turnip.....	.40
Early Flat Bassano.....	.40
Dewlug's Improved Blood Turnip.....	.40
Long Smooth Blood Red.....	.40
Swiss Chard.....	.40
Crosby's Egyptian.....	.40
Half Long Blood.....	.40
Trevise.....	.40
Arlington Favorite.....	.40
Colombian.....	.40

BEETS—For Stock.

Leonard's Improved Mammoth Long Red.....	.25
Long Red.....	.25
Norbitant Giant Long Red.....	.25
Yellow Globe.....	.25
Orange Globe.....	.25
Golden Tankard.....	.25

CABBAGE.

Extra Early Express.....	1.25
Early Etampes.....	1.00
Early Jersey Wakefield.....	1.40
Early Jersey Wakefield Select.....	2.00
Early York.....	1.00
Early Winningstadt.....	1.00
Henderson's Early Summer Seleet.....	1.50
Succession.....	1.65
All Head Early.....	1.25
Leonard's Faultless.....	3.00
All Seasons.....	1.25
Fottler's Brunswick.....	1.50
Leonard's Bridgeport Drumhead.....	1.90
Sure Head (Genuine).....	1.25
Premium Flat Dutch.....	1.25
Fottler's Brunswick (Blue Strain).....	2.90
Leonard's Luxemburg.....	2.50
Large Late Drumhead.....	1.25
Louisville Large Drumhead.....	1.50
Marblehead Mammoth.....	1.50
Stone Mason Drumhead.....	1.25
Improved American Savoy.....	1.50
The Holland.....	3.00
Mammoth Red Rock.....	2.00
Early Red Dutch Erfurt.....	1.65
Red Dutch Drumhead.....	1.65
Charleston Large Wakefield.....	2.00
Early Dwarf Flat Dutch.....	1.50
German Filderkrant.....	1.40
Early Large Schweinfurt.....	1.40

CARROT.

Early French Forcing.....	.75
Early Scarlet Horn.....	.60
Guerande or Ox Heart.....	.60
Half Long Stump Rooted Nantes.....	.55
Chantenay (Best for Bunching).....	.55
Danvers.....	.60
Improved Long Orange.....	.50
Long White Belgian.....	.40
Saint Valery.....	.60
Carentan.....	.60
White Vosges.....	.40
Orange Belgian.....	.40

CELERY.

New Golden Self-Blanching.....	2.40
Crawford's Half Dwarf.....	1.40
Dwarf Golden Heart.....	1.40
Giant Golden Heart.....	1.50
Dwarf White Kalamazoo.....	1.40

CELERY—Continued.

LB.

Arlington Early.....	1.40
Boston Market.....	1.40
Perfection Heartwell.....	1.65
New Rose.....	1.65
White Plumie.....	1.90

New Giant Pascal.....	1.65
Flavoring.....	.30

CORN—Sweet.

BU.

Mammoth White Cory.....	4.00
Extra Early Chicago Market or Ballard.....	4.00

Burlington Hybrid.....	2.00
White Cob Cory.....	4.00
Cory.....	4.00

First of All.....	4.00
Extra Early Vermont.....	4.00
Extra Early Adams.....	2.00

Early Minnesota.....	3.00
Crosby's Early.....	3.00
Perry's Hybrid.....	3.00

Moore's Early Concord.....	3.00
Burbank's Early Maine.....	3.00
Stabler's Early.....	3.00

Black Mexican.....	3.00
Shoe Peg.....	4.00
Ne Plus Ultra.....	4.00

Country Gentleman.....	4.00
Pee & Kay.....	3.00
Russell's Prolifie.....	3.00

Roslyn Hybrid.....	3.00
Hickox.....	3.00
Champion.....	4.00

Old Colony.....	4.00
Egyptian.....	4.00
Mammoth.....	5.00

Stowell's Evergreen (True Stock).....	3.00
Early None Such.....	3.00
Bonanza.....	3.00

Zig Zag Evergreen.....	3.50
Shakers Early.....	3.00
Red Cob Evergreen.....	3.00

Evergreen for Fodder.....	2.00
Livingston's Evergreen.....	3.00
Asylum.....	3.50

CUCUMBER.

LB.

Peerless Improved White Spine.....	.40
Extra Long White Spine.....	.40
Evergreen White Spine.....	.50

Improved Early White Spine.....	.40
Improved Arlington White Spine.....	.40
Early Russian.....	.40

Early Frame or Short Green.....	.40
Early Cluster.....	.40
Green Prolific or Boston Pickling.....	.40

Westerfield's Imp. Chicago Pickle.....	.40
Jersey Pickling.....	.40
Parisian Pickling.....	2.00

Thornburn's New Ever-Bearing.....	.40
Nichols' Medium Green.....	.40
Improved Long Green.....	.40

Giant Pera.....	.60

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BULK LIST—Continued.

ONION SEED—Continued.	LB.	RADISH.	LB.
Large Red Weatherfield.....	1.00	Leonard's Three Leaf.....	.60
Yellow Danvers Flat.....	1.00	Early Deep Scarlet Turnip Forcing	.55
Yellow Globe Daivers.....	1.00	Scarlet Turnip, White Tip Forcing	.60
Leonard's Yellow Globe.....	2.00	Ne Plus Ultra.....	.60
Michigan Yellow Globe.....	1.25	Early Scarlet Turnip.....	.40
Yellow Dutch, or Strasburg.....	1.00	New Deep Scarlet Turnip.....	.40
Leonard's Red Globe.....	2.40	Scarlet Globe, Vick's.....	.40
Southport Yellow Globe.....	1.25	Rosy Gem.....	.40
Leonard's White Globe.....	.5	Early White Turnip.....	.40
White Portugal—Am. Silver Skin.....	2.00	White Box.....	.40
Phila. White Silver Skin.....	2.00	Scarlet Turnip, White Tip.....	.40
Prize Taker Yellow.....	1.25	French Breakfast.....	.40
Early White Queen.....	1.50	Very Small Early Yellow Turnip.....	.60
Early White Barletta.....	1.50	Scarlet Olive.....	.50
Early White Pearl.....	1.50	White Olive.....	.60
Giant White Tripoli.....	1.25	Half Long Deep Scarlet.....	.50
Early Neapolitan Marzajola		Long Brightest Scarlet White Tip.....	.50
White Silver Skin.....	1.25	Wood's Early Frame.....	.40
Mammoth Silver King.....	1.50	Long Scarlet Short Top.....	.40
Mammoth Spanish King.....	1.50	Chartiers.....	.40
Mammoth Copper King.....	1.50	White Summer Turnip.....	.50
Giant Rocca.....	1.00	Gray Summer Turnip.....	.50
White Victoria.....	1.00	Yellow Summer Turnip.....	.50
Red Victoria.....	1.00	White Strasburg.....	.40
Red Bermuda.....	1.00	Long White Vienna.....	.40
White Bermuda.....	1.00	Long White Naples.....	.40
PEAS.	BU.	Long White Spanish.....	.40
Leonard's First and Best.....	3.00	Long Black Spanish.....	.60
Maud S.....	3.00	Ronnd Black Spanish.....	.40
Philadelphia Extra Early.....	3.00	Giant Stuttgart White.....	.50
Tom Thumb.....	3.00	China Rose Winter.....	.65
Alaska.....	3.00	China White Winter.....	.65
American Wonder.....	3.50	California Mammoth White Imp.....	.60
Extra Early Premium Gem.....	3.00	RUTA BAGA.	
McLean's Little Gem.....	3.00	Improved American.....	.40
McLean's Advance.....	3.00	Carter's Imperial Hardy.....	.40
Nott's Excelsior.....	4.00	Sweet German.....	.40
Shropshire Hero.....	3.50	Laing's Improved.....	.40
Stratagem.....	4.00	Improved White.....	.40
Telephone.....	4.00	SQUASH.	
Duke of Albany.....	4.00	Leonard's Improved Giant Summer Crookneck.....	.50
Horsford's Market Garden.....	3.00	Leonard's Improved Mammoth White Bush Scalloped.....	.50
Pride of the Market.....	4.00	Summer Crookneck.....	.40
Sharpe's Queen.....	3.00	Early White Bush.....	.40
Bliss Ever Bearing.....	3.00	American Turban or Essex Hybrid.....	.40
Bliss Abundance.....	3.00	Butman.....	.40
Champion of England.....	2.50	Colvin's Orange Marrow.....	.40
Dwarf Gray Sugar—Edible Pods.....	4.00	Marblehead.....	.40
Tall Gray Sugar—Edible Pods.....	4.00	Mammoth Chili.....	.50
Melting Sugar.....	4.00	Boston Marrow.....	.40
French Canner.....	2.00	Sibley or Pike's Peak.....	.50
Black Eye Marrowfat.....	2.00	Fordhook.....	.50
White Marrowfat.....	2.00	Pineapple.....	.50
Imp. Sugar Marrow.....	2.00	Hubbard.....	.40
Crane Orion (new).....	4.00	Vegetable Marrow.....	.50
Crane Fill Pod (new).....	4.00	Strickler Summer.....	.40
PARSLEY.	LB.	Leonard's Warty Hubbard.....	.90
Double Curled.....	.40	Leonard's Golden Heart.....	.50
Champion Moss Curled.....	.50	SPINACH.	
Fern Leaved.....	.60	Extra Large Round Leaf.....	.20
Plaiu.....	.40	Savoy Leaved.....	.20
Hamburg Rooted.....	.50	Prickly Seed.....	.20
PARSNIP.		Large Leaved Virotay.....	.20
Guernsey Improved.....	.40	Long Standing.....	.20
Hollow Crown.....	.40	New Zealand.....	.50
Market Gardeners—Very Select.....	.50	TURPIN.	
PUMPKIN.		Extra Early Milan Strap Leaf.....	.65
Leonard's Mammoth Prize.....	.60	Early White Flat Dutch.....	.40
Dunkard Winter.....	.60	Purple Top Strap Leaf.....	.40
Mammoth Potiron.....	.60	Purple Top White Globe.....	.40
Jonathan.....	.60	Early Snowball.....	.40
Cashaw or Crookneck.....	.40	White Egg.....	.40
Tennessee Sweet Potato.....	.40	Yellow Aberdeen.....	.40
Mammoth Tours.....	.60	Golden Ball or Orange Jelly.....	.40
Japanese Pie.....	.60	Seven Top (for greens).....	.40
Nantucket Sugar.....	.60	Cow Horn or Long White.....	.40
Large Cheese.....	.40	Large White Norfolk.....	.40
Connecticut Field—Large Yellow		Pomeranian White Globe.....	.40
Winter Queen.....	.50		
Winter Luxury.....	.50		

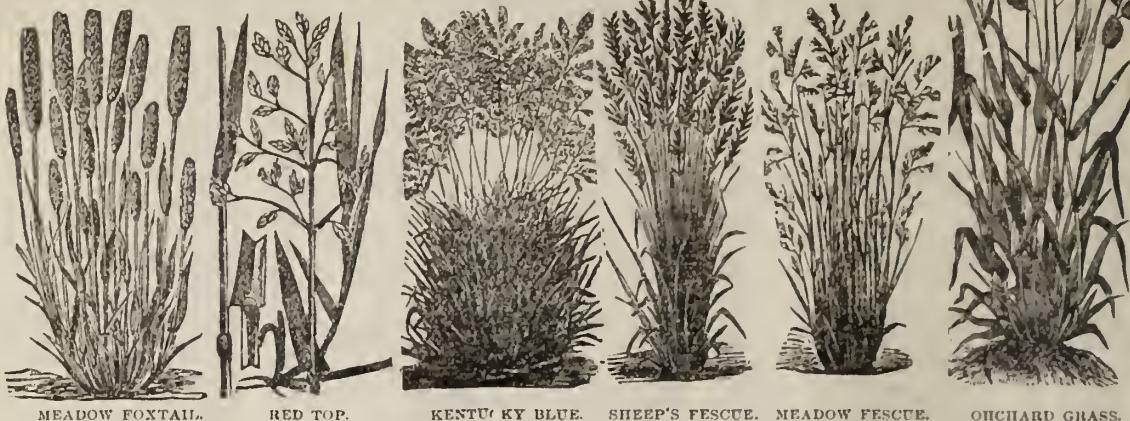
ONION SEED.

Early Yellow Cracker.....	1.90
Extra Early Flat Red.....	1.00

GRASS DEPARTMENT.

Please Note that all Grass Seeds, Clovers, etc., are now priced by the pound and hundred pounds instead of by the bushel. Freight charges and express charges to be paid by purchaser. The prices quoted are those ruling at this date, January 1, 1895, and are subject to change. Market price given upon application.

WRITE
TO US FOR
MIXTURES
FOR
PASTURE
OR
HAY
SPECIAL
ATTENTION
GIVEN
TO THIS
DEPARTMENT.



RED TOP (*Agrostis Vulgaris*).—A valuable grass for moist soils and low lands. It is a good permanent grass, standing our climate as well as any other, and consequently well suited to our pastures, in which it should be fed close, for if allowed to grow up to seed the cattle refuse it. On moist, rich soil it will grow two feet, and on poor, gravelly soil, about half that height. 14 lb. bu., 2 bu. to acre. Lb. 18c by mail, 100 lbs. \$8.00

KENTUCKY BLUE GRASS (*Poa Pratensis*).—This is known in some sections as "Green Meadow Grass" and "June Grass," but should not be confounded with "*Poa compressa*," called by some "June, or Wire Grass." It is the best pasture for our climate and soil, succeeding finely on hill lands and producing the most nourishing food for cattle, retains its qualities to a late period in winter, and further south, affording abundant food throughout the winter. Sow early in the spring or during the months of October and November.

Fancy clean seed per lb. 20c by mail, 100 lbs. \$7.00

ORCHARD GRASS OR ROUGH COCKSFOOT (*Dactylis Glomerata*).—This is one of the most valuable and widely known of all pasture grasses, coming earlier in the spring and remaining later in autumn than any other. It grows about two and a half feet high, producing an immense quantity of leaves and foliage. Blooms with red clover, and making with it an admirable hay. It is well adapted for sowing under trees or orchards, and very valuable either for grazing or for hay. 14 lb. bu., 2 bu. to acre.

Per lb. 25c by mail, 100 lbs. \$8.00

TIMOTHY (*Phleum Pratense*).—This is decidedly the best grass for hay, making a large return of strong, rich clay, of medium state of moisture. Though somewhat coarse and hard, especially if allowed to ripen its seed, yet, if cut in the blossom, or directly after, is greatly relished by all

kinds of stock, and especially so by horses, while it possesses a large percentage of nutritive matter in comparison with other agricultural grasses. It grows very readily and yields very large crops on favorable soils. It can never be used effectively as a pasture grass. 45 lb. bu., 12 lbs. to acre. Write for market price.

Lb. 18c by mail, 100 lbs. \$3.00

ITALIAN RYE GRASS (*Lolium Italicum*).—A valuable European variety, adapted to any climate, and produces large and nutritive crops.

Per bu. (18 lbs.), per lb. 18c by mail, 100 lbs. \$4.50

ENGLISH RYE GRASS (*Lolium perenne*).—A very nutritious, rapid-growing variety, valuable for meadows and pastures.

Per bu. (24 lbs.), per lb. 18c by mail, 100 lbs. \$4.50

CREEPING BENT (*Agrostis stolonifera*).—An excellent variety for lawns or pastures; succeeds well in damp soils.

Per lb. 25c

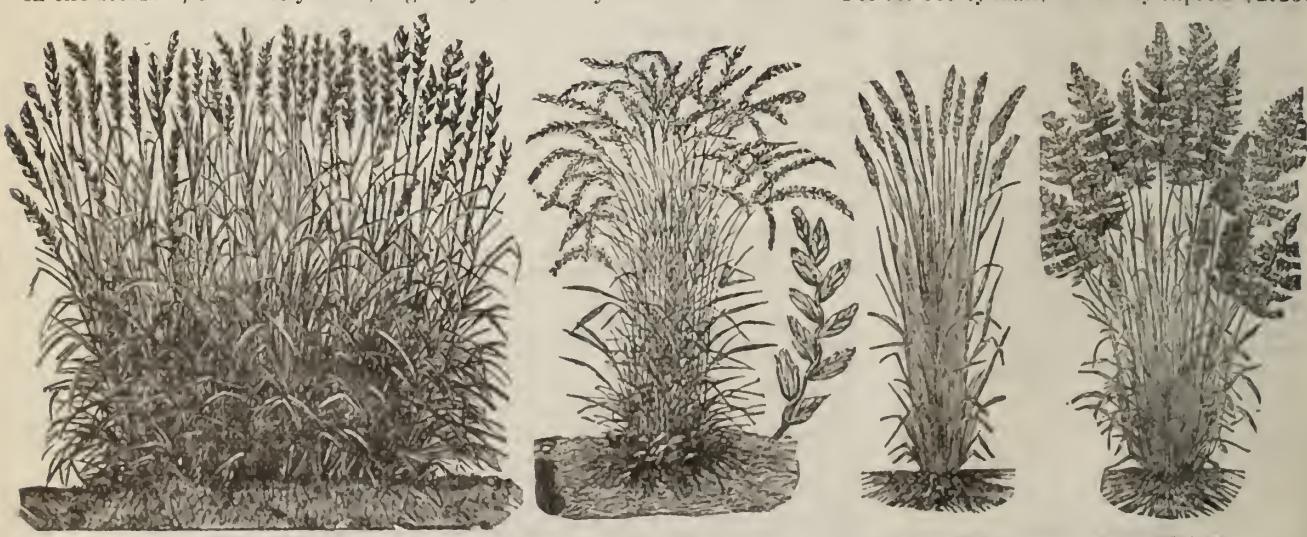
TALL MEADOW OAT GRASS (*Arena Elatior*).—This produces an abundant supply of foliage, and is valuable for pasturage on account of its early and luxuriant growth. It is recommended for hay, and shoots up very quickly after being cut, and produces a thick crop of aftermath, which also makes it valuable as a soiling crop.

Per lb. 35c by mail, 10 lbs. by express \$2.25.

SWEET VERNAL GRASS (*Anthoxanthum Odoratum*).—This grass yields but a moderate percentage of herbage.

It is remarkable for giving out a pleasant sweet smell during the process of drying, and it is to the presence of this grass that hay from natural meadows owes its peculiar fragrance. Permanent pastures should not be sown without a portion of this grass.

Per lb. 35c by mail, 10 lbs. by express \$2.25.



GRASS SEEDS—CONTINUED.

RHODE ISLAND BENT (*Agrostis* var).—Excellent for lawns or pastures. Bushel (12 lbs.) **Lb. 30c.**

WOOD MEADOW GRASS (*Poa nemoralis*).—A very productive and nutritive grass, adapted for lawns or pastures. Thrives well under trees. **Lb. 30c.**

YELLOW OAT GRASS (*Avena Flavescens*).—Good for dry pastures and meadows. About seven pounds to the bushel. **Lb. 30c.**

HARD FESCUE (*Festuca Duriflora*).—One of the most desirable dwarf grasses. Excellent for dry soils. **Lb. 30c.**

MEADOW FESCUE (*Festuca Pratensis*).—A valuable grass for permanent pastures. Very productive and nutritious. **Lb. 30c.**

SHEEP'S FESCUE (*Festuca Ovina*).—An excellent grass for sheep pastures. **Lb. 30c.**

MEADOW FOXTAIL (*Alopecurus Pratensis*).—One of the earliest and best pasture grasses. Grows rapidly when cut or eaten down by stock. **Lb. 40c.**

CRESTED DOGSTAIL (*Cynosurus Cristatus*).—An excellent grass for hard, dry soils. Valuable for pastures and lawns. **Lb. 40c.**

LAWN GRASS SEEDS.

SPECIAL MIXTURE OF NATURAL GRASSES ADAPTED FOR GARDEN LAWNS, LAWN TENNIS AND CROQUET GROUNDS.

WEST CHICAGO PARKS MIXTURE.—This is a special mixture prepared by us for Chicago's West Side parks during the past six years. It is composed of those grasses which form an enduring velvety turf, adjusted in such proportions as to enable it to withstand the summer drought and meet the requirements usually expected of the grass in public pleasure grounds. For lawns, tennis courts and croquet grounds it will be found admirable, and with slight variations it can be prepared to suit light, medium or heavy soils. **Lb. post-paid, 35c, 3 lbs. \$1.00, bu. (14 lbs.) \$2.50, 4 bu. \$9.00.** Purchaser to pay freight or express charges; bags free.

EVERGREEN BRAND.—This lawn grass has given universal satisfaction to all purchasers, and where beauty of lawn is especially desired it is the perfection of mixture. It is composed of more expensive grasses than the others, and is therefore higher in price. **Lb. post-paid, 40c, 3 lbs. \$1.00, bu. (14 lbs.) \$2.50, 3 bu. \$9.00.** Purchaser to pay freight or express charges; bags free.

GOOD LAWN MIXTURE.—For an ordinary yard, where a cheaper mixture is deemed sufficient, we recommend this grass seed. It is well adapted to patching up bare spots where the grass has been trodden off during winter. **Lb. post-paid, 25c, 3 lbs. 65c, bu. (14 lbs.) \$2.00, 5 bu. \$8.50.** Purchaser to pay freight or express charges; bags free.

CLOVER SEEDS.

The prices on clovers constantly change, and it is always best to write for latest market price previous to ordering. But to customers at a distance, who cannot lose the time required to do this, we will say that if prices are lower they will get the benefit, and if prices are higher we will ship all that the money sent will pay for.

MEDIUM RED OR JUNE (*Trifolium Pratense*).—This is by far the most important of all varieties for the practical purposes of agriculture. Sow in spring or fall, and when no other grasses are used, at the rate of eight or ten pounds per acre, more being required on old, stiff soils than on new and lighter ones. Sixty pounds per bushel. **Lb. 20c, post-paid: 100 lbs. \$6.75.**

MAMMOTH OR LARGE RED (*Trifolium Pratense*).—It grows five or six feet high, but its stalks are so coarse and large that stock will eat only the leaves. By its judicious use lands which have been exhausted may be reclaimed, as it will grow where the common clover will fail. Sow at the rate of about eight pounds per acre. Sixty pounds per bushel. **Lb. 25c, post-paid: 100 lbs. \$6.75.**

WHITE DUTCH (*Trifolium Ripens*).—A small creeping, spreading, perennial variety, valuable for pasture and lawns. It accommodates itself to a variety of soils, but prefers moist ground. In conjunction with Blue Grass it forms the most nutritious food for sheep or cows. Sow in spring at the rate of six pounds per acre, or when used with other grasses half that amount will be sufficient. **Lb. post-paid, 40c, 3 lbs. \$1.00, 100 lbs. \$10.50.**

ALSIKE OR SWEDISH (*Trifolium Hybridum*).—This valuable variety is fast gaining great popularity. It is the most hearty of all the clovers; perennial. On rich, moist soils it yields an enormous quantity of hay or pasture, and may be cut several times in a season, but its greatest value is for sowing with other clovers and grasses, as it forms a thick bottom and greatly increases the yield of hay, and cattle prefer it to any other forage. Sow in spring or fall at the rate of six pounds per acre, where used alone. Sixty pounds per bushel.

Lb. post-paid, 35c, 3 lbs. \$1.00, 100 lbs. \$8.50.

BOKHARA (*Melilotus Alba*).—Sweet clover. This is exceedingly valuable as pasture for bees. **Lb. post-paid 40c.**

ALFALFA OR LUCERNE (*Medicago Sativa*).—One of the best varieties, succeeding in almost every situation and bearing heavy crops of forage. Will bear cutting three or four times during the season. For bringing up poor land it is the best of the clovers, as it not only produces large masses of foliage, but forces its roots down fully three feet into the earth. Sow early in spring to secure a good stand before winter if to be used for pasture or for curing.

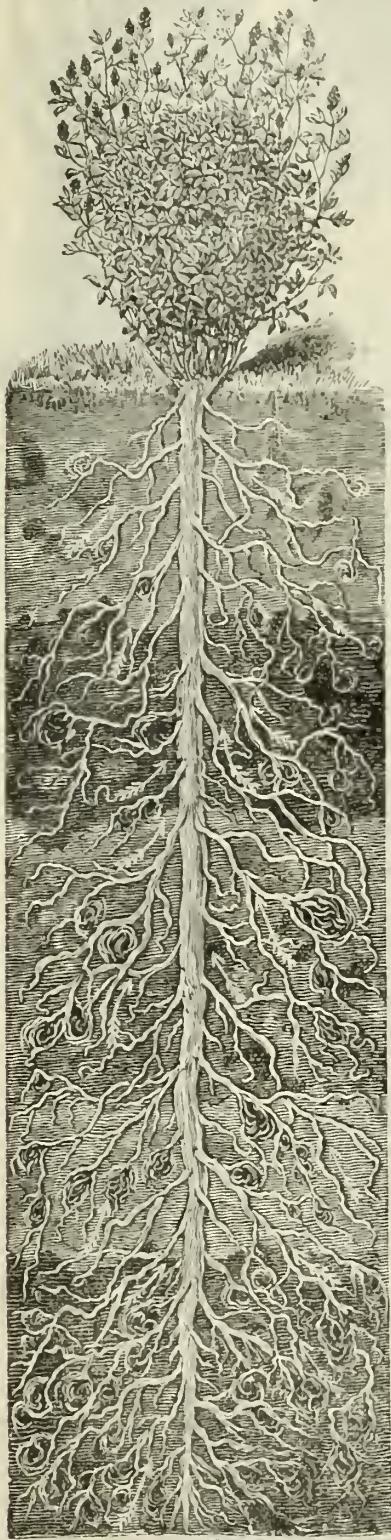
Lb. post-paid 30c, 10 lbs. by express \$1.00, 100 lbs. \$7.50.

MILLET SEED.

COMMON MILLET (*Panicum Miliaceum*).—Requires a dry, light, rich soil, and grows two and a half to four feet high, with fine bulk of stalk and leaves, and is excellent for forage. Sow broadcast from May 1 to June 20 if for seed, or until the last of July if for hay. **100 lbs. \$1.00.**

GERMAN OR GOLDEN MILLET.—This variety is not so early as the common millet, but yields a much larger crop. Southern grown seed is much preferred, as it will produce more hay. Northern grown seed is usually hybridized with other millets, and will not grow as tall. We can furnish southern grown seed. **100 lbs. \$1.25.**

HUNGARIAN GRASS (*Panicum Germanicum*).—A valuable forage plant. Succeeds well on dry, light soil. Withstands the drought remarkably, remaining green when all other vegetation is parched up, and if its development is arrested by dry weather, the least rain will restore it to vigor. **100 lbs. \$1.00.**



Alfalfa Clover.

A SPLENDID NEW OAT.

AMERICAN BEAUTY.

This new oat came originally from Russia to O. H. Alexander, of Vermont, who, by a continued selection, has made it one of the finest oats we have. Grain heavy, yield immense, quality fine. The report from New York Agricultural Experiment Station on American Beauty says: "Oats long and taper pointed, average height 3 feet, culm very erect and stout, average length of panicle 9 inches, berry large, one of the most prolific varieties known." Our seed is grown from Vermont stock and averaged 80 bushels to the acre the past season, on our farm in northern Illinois, where the season was not a good one for great yield. Under the circumstances 80 bushels to the acre was a wonderful showing.

D. C. Hicks, of N. Clarendon, Vt., had over twice as much of American Beauty to the acre as he did of WELCOME, BANNER or BONANZA.

1 lb. post-paid 20c, 3 lbs. 45c, pk. 30c,
bn. \$1.00, bag of 2½ bn. \$2.25, 10 bu.
\$7.50. Bags free.

NEW OAT.

SWEDISH GIANT FLAG.

In 1893 we imported at a high price bushel samples of ten varieties of oats, each variety of which was considered unusually choice. These ten varieties we planted at our Oak Glen farm, and the three varieties which showed the best results we again planted, and picked out the Giant Flag as the most meritorious of the three. In 1895 we succeeded in harvesting a few hundred bushels of it, and sold it here in the store to some of our best oat growers, with the most favorable results. During the season of 1896 we planted largely of it, and now offer it through our catalogue to all who desire one of the finest oats ever introduced. It has out-yielded any variety of oats thus far tried. The cracked-up yielders and prize winners so largely advertised do not compare with it, as our own tests and the tests of veteran oat growers prove.

This is not an old variety renamed; it is not a variety that will yield 400 bushels to the acre, but it is **NEW OAT** of more merit than any we have ever tried or have had tried. Our farmer is a man of long experience in one of the best oat growing sections of this country. He has grown oats for forty years, has tried all the past noted kinds, also the new kinds cracked up during the past few years, including the prize winners of the cyclonic northwest, and the Giant Flag is superior to any of them.

TESTIMONIALS.

"The best oat I ever grew."

—ADAM MELZER.

"Has the stiffest, strongest straw of any variety I have ever tried, with the possible exception of your Giant French Hybrid."—HERMAN RUGEN.

"The Giant Flag with me proves itself one of the finest oats for yield that I have ever grown."

—PHILIP SCHENICK.

Large Pkt. 5c, lb. 20c, 3 lbs. 50c, bn. \$1.25, bag 2½ bn. \$2.50, 10 bu. \$8.50.

RACE HORSE OATS.—A well known oat having a plump, heavy grain of good length. It is early, productive, and one of the good milling oats.

Pkt. 5c, lb. 20c, 3 lbs. 50c, post-paid; pk. 30c, bn. 75c, 10 bu. \$6.50.

DANEBOORG.—This is a new oat, recently imported by us, and shows many desirable qualities. We would recommend it for trial. The grain is plump and heavy. With us it is second to the Swedish Giant Flag in productiveness, but it has other qualities which, if brought out by careful growing, would doubtless make it equal to that excellent variety. Quantity limited this year.

Lb. 20c, 3 lbs. 50c, bn. \$1.00.



Giant Flag Oats.



American Beauty.

"Stands up under all unfavorable weather—is the best yielder I have."

—JOHN CARLIN.

"The grain is long, full and heavy; it outyields any oat I know of."

—WM. SCHENICK.

"Makes a strong stool, has stiff straw, grows a long, full panicle, and the grain is large and heavy."

—WM. MELZER.

GIANT HYBRID FRENCH

SIDE OATS

THE GIANT FRENCH HYBRID

This grand oat was introduced by us in 1889, and has made one of the greatest records ever attained by any variety. They grow four to five feet tall, with stiff straw; never lodge, always stool freely, and yield enormously. They have been planted in every section of this country for the past seven years, and abundant proof has been given of their superiority. They suit all locations, and at the Illinois Agricultural College, when tested there, they yielded fifteen bushels more per acre than any of seventeen varieties. They are medium early, and should be planted as soon as ground can be put in shape, in order to get the very best results. It is a long-grained oat.

THE DEMAND FOR THIS OAT IS ALWAYS LARGE.

On this account your orders should be sent in as soon as possible. Pk. 30c, bu. 75c, 10 bu. \$6.50, 50 bu. \$30.00. Bags free.

ROYAL VICTORIA.—This variety is the best yielding of the plump, heavy-grained sorts. It is an exceedingly early variety. For milling it is unsurpassed. The great weight of its grain makes its productiveness one-fourth more than the ordinary kinds, even though it threshes out but the ordinary quantity in measured bushels. Pk. 30c, bu. 75c, 10 bu. \$6.00, 20 bu. \$11.00. Bags free.

THE LINCOLN OAT.--A variety of recent introduction. It has been well advertised and has attained a popularity that speaks well for its merits. The stock we offer is from a careful grower, and will give every satisfaction. Pk. 30c, bu. 75c, 5 bu. \$3.00.

WHITE BONANZA.—A well known oat of great productiveness. Straw stiff and grain plump. Pk. 30c, bu. 75c, 5 bu. \$3.00.

AMERICAN BANNER.—A fine variety of long-grained oats. A good yielder. Excellent for feeding or milling.

Pk. 30c, bu. 75c, 5 bu. \$3.00.

WELCOME.—A good milling oat, a heavy yielder. The grain is plump and heavy. Pk. 30c, bu. 75c, 5 bu. \$3.00.

BLACK RUSSIAN.—The best black oat.

Pk. 50c, bu. \$1.00, 5 bu. \$4.50.



SPRING WHEAT.

SASKATCHEWAN FIFE.—This wheat is beyond question the hardest and best milling wheat known. Other favorable features are earliness, vigor of growth, productiveness, purity and healthiness. Adapted to all states where spring wheat can be grown. Post-paid, lb. 25c, 3 lbs. 60c; by express or freight, pk. 60c, bu. \$1.75.

VELVET CHAFF BLUE STEM.—This wheat is a distinct variety from all other spring wheats. It is a bald, white chaff, and the chaff has a velvet-like surface, and the stem, just below the head, when green, has a beautiful blue bloom on it, which entirely disappears as the wheat ripens, and then the stem and straw assume a beautiful golden yellow hue, and entirely free from rust. The wheat kernel is of the hard variety, quite similar to the renowned Scotch Fife, but much more productive, and equal to any spring wheat for milling.

Post-paid, lb. 25c, 3 lbs. 60c; by express or freight, pk. 65c, bu. \$1.75.

WINTER WHEAT.

Jones' Winter Fife, Red Wonder, Early Red Clawson, Canadian Velvet Chaff, Early Genesee Giant and other varieties kept in stock. Bushel prices on application.
Special prices on quantities of ten bushels and over of any one variety.

PLEASE NOTICE. Our farm department is given special attention. We are in the best possible position to supply Seed Grain, Grass Seeds, Seed Corn, Potatoes, Plows, Harrows and everything needed on the farm. Our special mixtures for permanent pasture or hay lands can be prepared at a low cost, and it will pay every farmer to correspond with us before buying from some one else. We can save you money. We cannot afford to fill our pages with wind, as some do, although it might blow some trade this way, but we want every farmer to know that we can sell them anything in the way of farm seeds that they need—of the right sort and at a right price.

SEED RYE.

RYE, FALL OR WINTER.—The time for sowing is from the middle of August to the last of September. One plowing is given, and the seed sown broadcast at the rate of one and one-half bushels per acre and dragged in. Harrowing and rolling in the spring are recommended. If cut before fully ripe the grain makes more and better flour; if intended for seed it should be fully ripe. Sow some rye among standing corn, hoeing it in, leaving the ground level as possible, after the corn has been removed, rolling the ground. It succeeds best on sandy soils. Bu. \$1.00.

RYE, SPRING.—Although this grain is often planted by farmers, especially for the paper makers, who prefer it to any other, its principal value is as a "catch" crop, to sow where winter grain has failed. The straw is shorter and stiffer than that of the winter variety, and is always easier secured, while the grain, although smaller, is of equal value. Bu. \$1.00.

SEED BARLEY.

HIGHLAND CHIEF BARLEY.—This is an entirely new and distinct two-rowed variety of barley. It is very robust, a vigorous grower, and the size of the grain when compared with any other is immense. It is less liable to be damaged by wet than other kinds, inasmuch as it is more closely covered with broad awns or spikelets, consequently it is less liable to lose color by the wet weather. Has strong, upright straw, yields from 50 to 60 bushels per acre, and usually weighs over 50 pounds to the measured bushel. Pk. 40c, bu. 85c; by mail, 25c.

MANSURY BARLEY.—A six-rowed barley with long, heavy, well-filled heads, containing large, plump grains. Straw bright, very strong, and is not apt to lodge, even on the richest lands. Ripens about a week to ten days later than the common six-rowed barley, or about the same time as two-rowed barley.

Express or freight, pk. 40c, bu. 85c; by mail, lb. 25c.

BARLEY, COMMON.—Barley succeeds best on lands more sandy and lighter than those adapted to wheat. It is sown in the spring and can be grown farther north than any other grain. Sow from 2 to 2½ bu. per acre. Weight, 48 lbs. per bushel; bu. 75c.

FLAX.—Sow late enough in the spring to avoid frost, and early enough to secure the early rains. A fair average quantity of seed to be sown on an acre is one-half bushel, when cultivated for seed; if for fiber, a larger quantity should be sown.

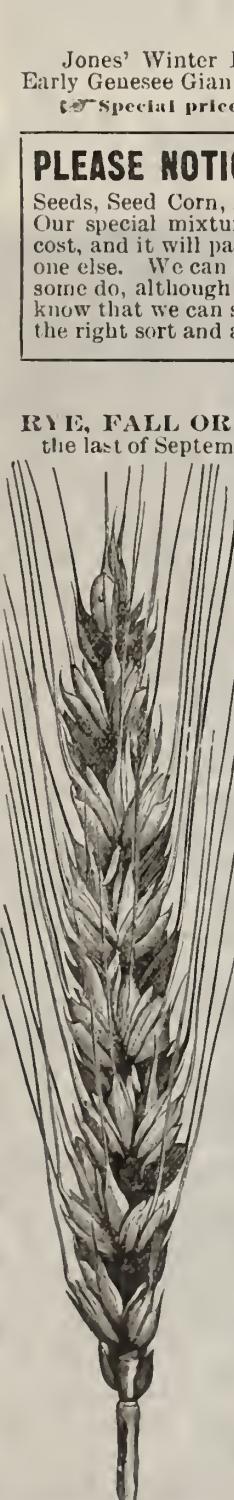
Lb. 25c, pk. 50c, bu. \$1.50.

FLAX SEED, RUSSIAN.—We have some very choice seed of this, much superior in every way to common flax. It will increase the yield and add to the value of the product. Most of the flax of the country is badly run out. It will pay you well to secure some new seed. Lb. 25c, pk. 75c, bu. \$1.75.

HEMP.—If raised for manufacturing must be sown broadcast at the rate of one-half bushel to the acre; if for seed, should be planted in hills four feet apart, and the plants thinned out to 3 or 4 most vigorous stems in each hill. Lb. 25c, bu. \$1.75.



Velvet Chaff Blue Stem.



Mansury Barley.



Saskatchewan Fife.

EXTRA FANCY OR SOLID SEED RED TOP.

This seed differs from the ordinary Red Top quoted on page 64 in that there is no chaff in it. This grade of Red Top is as clean as timothy seed, and will weigh about 38 pounds to the measured bushel. It is by far the most economical grade of Red Top to use in mixtures or for any purpose where this grass is desirable. It should enter largely into all grass mixtures for low land, and for moist or wet soil sown to grass it is indispensable. The value of Red Top is known to many farmers who may not be acquainted with this Solid Seed grade, and for this reason we call special attention to Solid Seed Red Top, and would urge all who intend sowing Red Top to get this grade in preference to the ordinary chaff seed. The price per 100 pounds of Solid Seed is much higher than the 100 pound price of the ordinary. But when it is shown that 100 pounds of Solid Seed sows fourteen acres and 100 pounds of chaff seed sows only three acres, the difference in price in favor of the Solid Seed is plainly seen. By mail, lb. 30c, 4 lbs. \$1.00, postpaid. 100 lbs. \$8.50.

CRIMSON CLOVER.

This is an annual variety in common use in Italy and the south of France for feeding green. The yield in fodder is immense, and after cutting it at once commences growing again, and continues until severe cold, freezing weather. In warm climates four or five cuttings are made during the season. It grows about one foot high, roots nearly black; leaves long; blossoms long, pointed, and of a very deep red or carmine color; makes good hay. Sow in April or May, 10 to 15 lbs. of seed per acre. It may be sown in the corn at the time of last cultivation in July. Where the weather is not too severe, it will live and continue to grow all winter, furnishing winter pasture or a crop of hay before corn-planting time in the spring.

It will improve worn out and poor soils more rapidly and permanently than any other plant in existence; therefore the cheapest and best fertilizer; also the cheapest food for all kinds of stock. Stock like it. Will leave their grain and feed for it. It grows and matures its crop when other crops are dormant, furnishing the very best of feed and still permanently improving the soil.

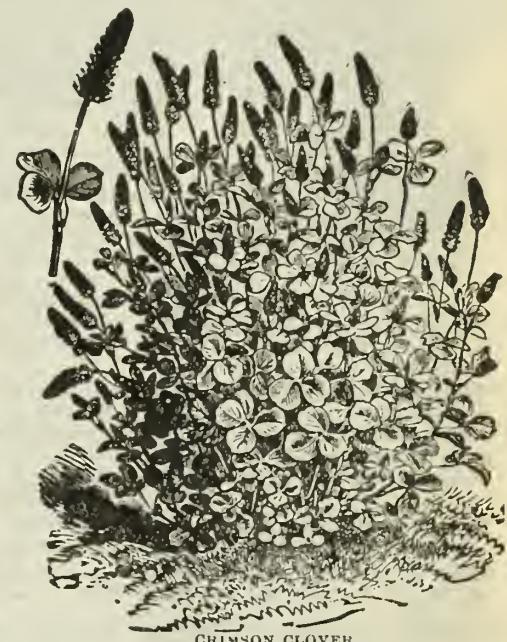
Experiments at Experimental Stations have shown that \$1.00 invested in seed per acre added 24 bushels of corn, while \$1.00 worth of Nitrate of Soda per acre increased the yield of corn only six bushels.

It can be sown in fields of growing corn, in open ground after some other crop is harvested, in apple, peach, pear, plum or cherry orchards, in tomato, cabbage, beans, peas, watermelon, cantaloupes, or any cultivated crop, also with buckwheat. Is also sown in asparagus beds, in raspberry and blackberry patches to keep down weeds and to be plowed under as manure, with most excellent results.

Being strictly a supplementary and extra or "stolen" crop, no other crop need be omitted to grow it; it grows quick and adds fertility to the soil beyond the ability of any other known plant in so short a time.

1 lb. 30c, 3 lbs. 75c, postpaid.

By express or freight, 10 lbs. 80c, 100 lbs. \$5.50.



Showing One Plant.

SUGAR CANE.

EARLY AMBER SUGAR CANE.—Early and productive. Its saccharine matter is of the first quality, produces a fine sugar or syrup, 10 or 12 feet high; will produce two large cuttings of green fodder during the summer. Sow three or four quarts per acre. Pkt. 5c, lb. 25c; 10 lbs. and over by express, 7c a lb.; 100 lbs. \$2.50.

EARLY ORANGE CANE.—This is a sorghum of unusual merit. It is early and produces its stalks of great sweetness and abundance of juice in great profusion.

Pkt. 5c; by mail, lb. 25c; by express or freight, 100 lbs. \$2.50.

SEED BUCKWHEAT.

JAPANESE BUCKWHEAT.—The kernels are at least twice the size of those of any other variety, and of a shape peculiar and distinct from all others. The color of the kernels is also most distinct, being a rich, dark shade of brown. The straw is heavier, very branched, and does not need to be sown as thickly as other kinds. The quality is excellent and the yield is enormous. It is about a week earlier in ripening than the Silver Hull. Per 100 lbs. \$1.50.

BUCKWHEAT, SILVER HULL.—This improved variety is much better than the old sort. It is in bloom longer, matures sooner, and yields double the quantity per acre. The husk is thinner, the corners less prominent and the grain of a beautiful light gray color. The flour is said to be better and more nutritious. Per 100 lbs. \$1.75.

BUCKWHEAT, COMMON.—Buckwheat should be sown about the 20th of June, broadcast, at the rate of from one to three pecks per acre. The average yield is from twenty-five to thirty bushels per acre. It should be threshed as soon as dry, on the ground or barn floor. If allowed to stand in mass it quickly gathers moisture. Per 100 lbs. \$1.50.



EGYPTIAN LENTILS.—

Largely used in Oriental countries and is one of their principal articles of diet. It was from these that the dish of pottage was made for which Esau sold his birth-right to Jacob in Bible times, and many will be interested in them for that reason. They are in growth similar to peas, and may be used in any way that you would use shell beans, and they also make an excellent soup. Sow and cultivate same as garden peas and thresh out in the fall. All should try them.

Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 30c. By express, 5 lbs. or more at 15c per lb.

FIELD PEAS.—Each year there is a large increase in the number of our best farmers who sow field peas, and they claim they are one of the most profitable crops for fattening stock, and especially for hogs. Stock eat them with great avidity. Also profitable for market-

ing as dry or split peas. Sow two bushels to the acre, or, if with oats, one bushel of each. We offer three varieties as follows:

Golden Vine.—The best variety of all, as they yield the largest crop, are not affected by weevil, and stock does as well on them as when fed on clover hay. If you have heretofore used only the common field peas, you will be greatly pleased with the Golden Vine. Give it a trial.

Per pk. 50c, bu. \$1.50.

White Canada.—More used than any other.

Per pk. 40c, bu. \$1.25, 2 bu. or more at \$1.00.

Blue or Green.—Like above, except that color is a bluish green. Per pk. 50c, bu. \$1.25, 2 bu. or more at \$1.10.

LATHYRUS SYLVESTRIS.—(Flat Pea.) A new perennial forage plant, possessing many valuable features. It grows well on very poor unimproved sandy soil, can withstand pretty severe frosts, roots so deeply that it is not injured by severe drought, yields superior forage for all farm stock, and has excellent qualities as a fertilizer.

Per oz. 20c, per lb. \$1.40.

LUPINS—Blue.—Used for the same purpose as the yellow variety. Per lb. 30c, per 100 lbs. \$8.00.

White.—One of the best plants known for soiling. It may be sown from April to July, and plowed under when in flower. The seed when burned is excellent manure for orange and olive trees. Per lb. 30c, per 100 lbs. \$9.00.

Yellow.—Less thrifty than the white variety, but still having an advantage over it in remaining green for a longer period. It succeeds well in the poorest soil, and is valuable for plowing in. Per lb. 30c, per 100 lbs. \$8.00.

VETCHES—Spring (*Vicia sativa*).—Sown broadcast at rate of 1 to $1\frac{1}{2}$ bushels to the acre like wheat or barley, and sometimes mixed with oats for soiling. Used in France and Canada as a substitute for peas. Also ground up into flour, after which it is mixed with wheat flour for making bread. A valuable plant.

Per qt. 35c, per bu. \$3.00.

SAND, WINTER OR HAIRY VETCH (*Vicia villosa*).

—This variety thrives on poor, arid, sandy soils. It is sown either in fall or in spring, and generally mixed with rye, which serves as a support to the plants. It grows to a height of from three to four feet, and can be cut twice for fodder, first as soon as the bloom appears, and then it can be again cut for the seed. The plant is perfectly hardy, and the produce is recommended as most nutritious. The seed is black and perfectly round, and should be sown at the rate of $1\frac{1}{2}$ bushels to the acre.

Per qt. 45c, per bu. \$4.00

SOJA BEAN.—

(*Coffee Berry*.)—During recent years this variety has been largely sold under the name of German Coffee Berry at extravagantly high prices, but we prefer to offer it under its correct name. The berries ripen in about four months from time of planting and produce a crop of twenty to thirty bushels to the acre and are as easily grown as other beans. When roasted and ground it closely resembles coffee, and tastes quite similar. Some mix half and half with coffee when using, and claim it is superior. Its great value to the farmer lies in the fact that when ground it makes one of the most valuable crops for

feeding stock and adds greatly to the milk production. Claimed also to be much superior to clover for fertilizing the soil and for pasturing, or feeding the green fodder, of which it frequently yields from eight to ten tons per acre. Sow broadcast $\frac{1}{2}$ bushel to the acre, or it may be planted in drills three feet apart and one foot between plants. Per

pk. 5c, $\frac{1}{4}$ lb. 15c, lb. 40c, post-paid; pk. \$1.00, bu. \$3.50.

TEOSINTE.—A valuable fodder plant from Central America, in growth resembling Indian Corn. Well adapted to our southern states. Per oz. 20c, per lb. \$1.25.

SPURRY (*Spergula arvensis*).—Annual. Grows well on poor, dry, sandy soils. It is in best condition for pasture in four to six weeks after sowing, and may be sown every month from March to August. Excellent pasture for cattle and sheep; also as a fertilizer for light, sandy soil. 15 lbs. per acre. Lb. 35c, 3 lbs. \$1.00, post-paid, 10 lbs. for \$1.40, 50 lbs. and upwards at 10c per lb., 100 lbs. \$8.00.

BROMUS INERMIS (*Awnless Brome Grass*).—A valuable forage plant for light, dry soils; answers for cutting and feeding in green state, for pasture or hay; very productive. About 35 to 40 lbs. to the acre. Lb. 35c, 100 lbs. \$15.00.

SACALINE, POLYGANUM SACHALINENSE.—This plant was introduced into the United States last year, and much has been written in the agricultural papers for and against it. It was tried on a small scale by a good many, and in some cases it was found satisfactory and in others not. The seed is very hard to start, and we would advise to raise the plants in hot beds first and then transplant. Below we copy a description of the plant as given by the introducer, but consider his description much overdrawn and advise our friends to go slow and only try in a small way: "Is perfectly hardy even in Siberia; flourishes in the Indies; requires no plowing before planting; needs no cultivation, no re-planting. Roots penetrate deep into the soil. Once planted, stands forever. Endures severest drought with impunity. Grows in poorest soils. Luxuriates in wet lands. Thrives where no other forage plant will grow. Young shoots and leaves eaten as a vegetable. Stems and leaves, green or dry, generally relished by cattle, sheep or horses. More nutritious than clover or lucerne. Gives three or four cuttings per year. Produces 90 to 180 tons of green forage per acre. Grows 14 feet high by June. Excellent soil enricher. Planted at any time. Affords shade to cattle in summer. Protection against storms in winter. Floods will not destroy it. Fire will not kill it. Cattle cannot trample it out." Per pkt. 5c, oz. 35c, $\frac{1}{4}$ lb. \$1.00, lb. 83.

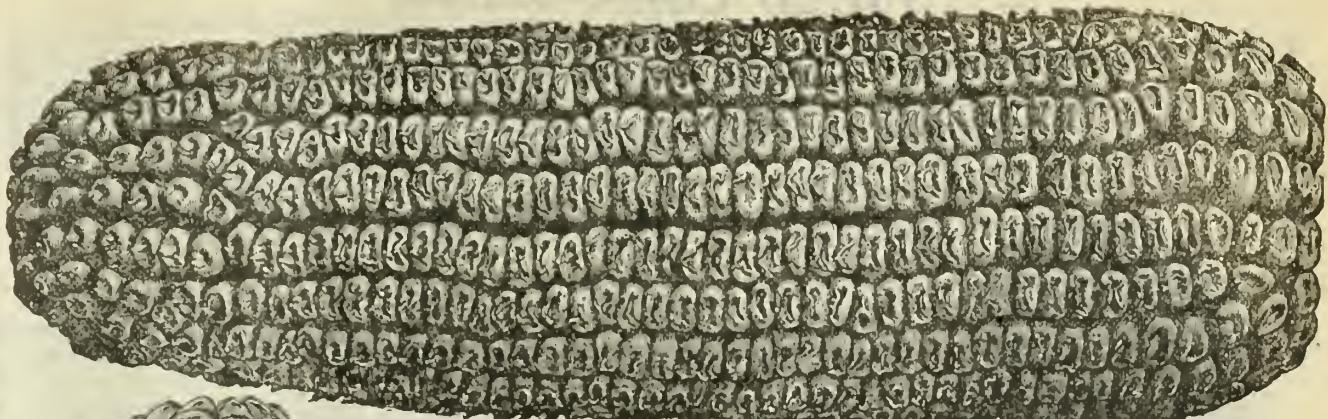


LENTILS.



SOJA BEANS, OR COFFEE BERRY.

FIELD CORN.



PRIDE OF THE NORTH.

PRIDE OF THE NORTH.

PRIDE OF THE NORTH.—This famous corn still retains its popularity as an exceedingly early and prolific variety, always maturing in ninety days; often shelling 62 pounds of grain from 70 pounds of ears. Kernels closely set, large, of deep orange color; cob very small and red; stalks about 7 feet in height. This is, probably, the best Dent corn for general cultivation in the north, and is now largely used in the south and west, as it matures its crop before the hot winds affect it. We offer pedigree seed grown from the original stock with care. This corn is not fully appreciated until the large yield and small percentage of cob to corn is carefully noted. There is no yellow Dent corn yet discovered that can take the place of this most valuable variety. It is a safe corn for any section of country, never disappoints the grower by maturing too late, yields more corn acre for acre than any other, and has by far the most satisfactory record of any yellow Dent corn ever introduced. Lb. 20c, 3 lbs. 50c, postpaid; peck 40c, bu. \$1.25, 10 bu. \$11.00.

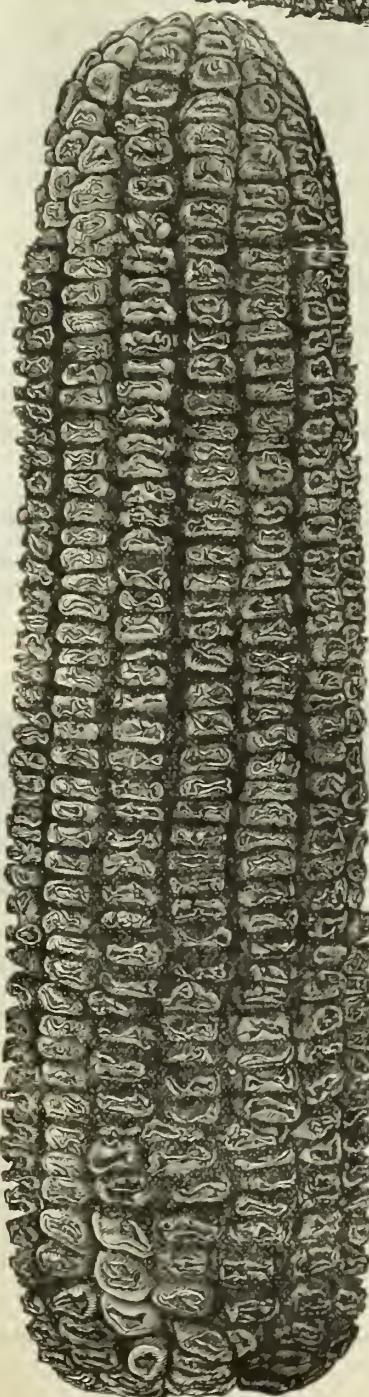
IOWA GOLD MINE.

A splendid new yellow corn. Everyone who has tried it is enthusiastic in the praise of this splendid new variety which was introduced in 1892. It has everywhere received the most cordial endorsement as one of the best and most profitable varieties ever grown. This variety originated as follows: Six years ago a special premium offer brought sample ears of corn from several hundred farmers and seed growers, and from these we chose the one which was most decidedly the best, and have been selecting and improving it until it is about as near perfection as corn can be made. It is early, ripening only a few days later than Pride of the North; ears are of good size and symmetrical; color a bright golden yellow, as handsome as a twenty-dollar gold coin just from the mint; grain is very deep, cob small, and therefore dries out very quickly as soon as ripe. Seventy pounds of ear corn makes sixty to sixty-two pounds of shelled corn, and in hauling to market it weighs out five bushels more to the wagon load than common varieties in the same size wagon. Lb. 20c, 3 lbs. 50c, postpaid; peck 40c, bu. \$1.25, 10 bu. \$11.00.

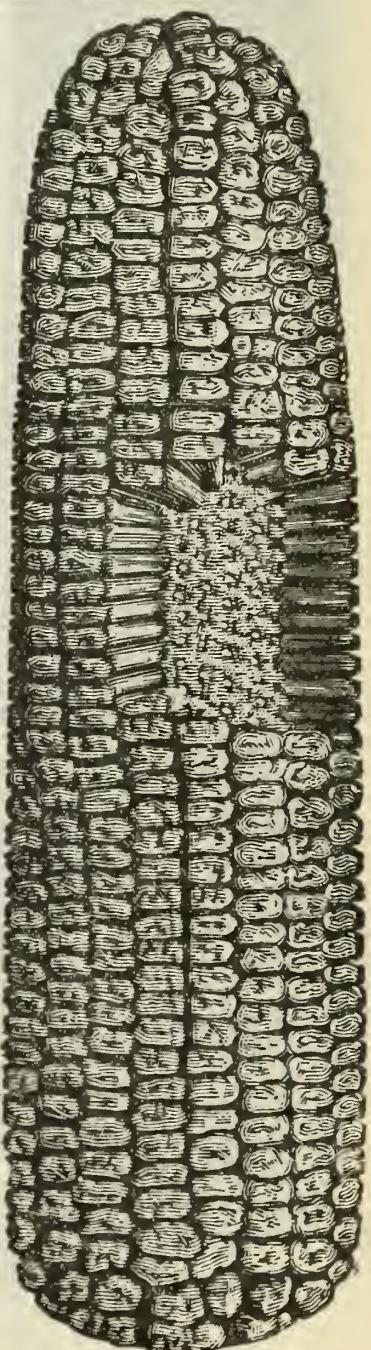
IOWA SILVER MINE.

The Iowa Silver Mine is a splendid new white corn. We believe that in its yield it will surpass all other varieties of any color. In 1894, the poor corn year, only three-fourths of an acre was planted, yet it yielded just seventy-three bushels, or at the rate of ninety seven and one-third bushels to the acre. It has no barren stalks. The ears are very even in size, being but little smaller at the tip than at the butt, and corn is well filled out over the tip. Seventy pounds of corn in the ear will make sixty two pounds shelled. It is in every way a distinct type of corn, and possesses many of the characteristics which have made the Iowa Gold Mine so popular, while the ear is larger.

We stake our reputation upon this corn giving excellent and entire satisfaction, and that it is an entirely new origination and not an old sort under a new name. It is hardy, a great drought resister, and summing it all up, the best White Corn ever introduced, the acme of perfection, unsurpassed and unsurpassable. Don't fail to try it. Large pkt. 5c, lb. 20c, 3 lbs. 50c, postpaid; pk. 40c, bu. \$1.25, 10 bu. \$11.00.



IOWA GOLD MINE.



IOWA SILVER MINE.

FIELD CORN—Continued.

Extra Early Huron Dent.—After several years' trial on a large scale it is concluded that this is one of the earliest Dent corns grown. Good-sized stalk and ear, small red cob, long, deep grain, very rich in oil and starch, and is the only smooth, very early Dent corn known. Ears wonderfully perfect, grained even on both ends of cob; has quick, rank, strong growth and is very productive; it heads the list of all extra early varieties. Our supply is genuine and from the originator's stock, strictly pure and carefully selected. By mail, post-paid, 1b. 20c, pk. 40c, bu. \$1.25.

—PRE-HISTORIC CORN.—

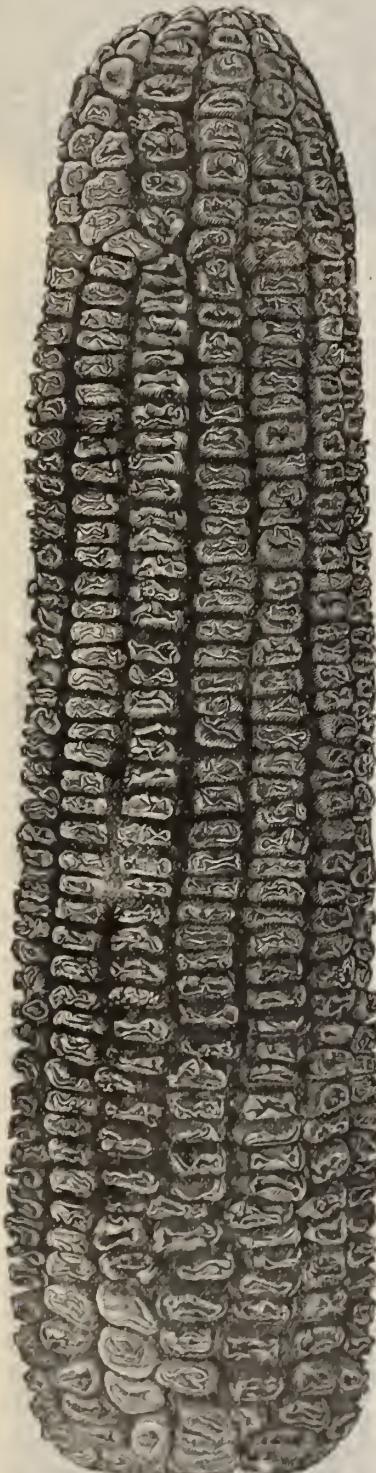
"THE GREATEST NOVELTY OF THE AGE."

The introducer speaks of it as follows: "After lying buried 3,000 years the seed of this corn is discovered and gives to the present generation the best connecting link with the people who inhabited our country in the dim, distant past."

REV. DR. E. S. CURRY, the discoverer, says: "The Pre-Historic corn has been grown on my farm in Missouri, successively and successfully for eight years. The prevailing color is a beautiful dark bronze, gliding to a light bronze. I have raised stocks 15 feet high, the blades 7 inches broad and 10 feet 5 inches from tip to tip on opposite sides of the stalk, with 11 ears on the stalk. It is a wonderful deep feeder, willingly and from choice sending its roots to the subsoil, and thrusting its roots down deeper during a drought. This year on the same kind of land the stalks and numerous blades it bears remained green through six weeks of the most excessive drouth, with hot winds, while the common corn perished the second week."

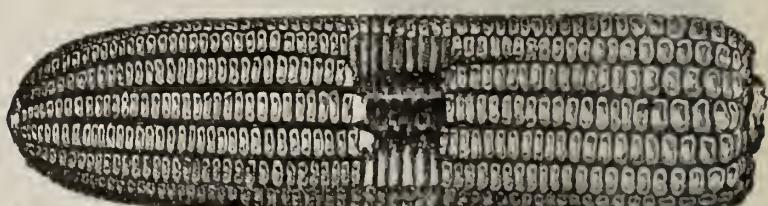
MR. J. H. BEAGLEY, Sibley, Ill., the well known corn specialist and publisher of the *Corn and Hog Journal*, writes as follows: "I have had this corn fully tested in various parts of the country, and find Dr. Curry's statements regarding its wonderfully luxuriant and prolific qualities fully verified. Ears weighing over a pound were grown in northern Missouri. It grew to perfection in northern Illinois, southern Indiana and in Missouri. Severe storms created great havoc with field corn generally the past season, but the Pre-Historic stood the gales and was uninjured, while others were laid flat on the ground. Its great root growth and strong brace roots, which in some cases have been noticed 26 inches above the soil, enable it to stand firm on the earth. There is no doubt that the old race of men who inhabited this country thousands of years ago were far advanced in agriculture." Lb. 30c, 3 lbs. 75c post-paid, pk. \$1.00, bu. \$2.50.

IMPROVED LEAMING.—The strain of Leaming we offer is not the tall southern variety, but a strain that is very early, often maturing in ninety days. The stalk is very leafy and stocky, often bearing two large ears. Grain yellow, deep and compactly set on small cob. The Leaming has been more largely grown and given more general satisfaction than any corn ever offered. Its luxuriant growth of fodder makes it especially valuable in sections subject to drouths. Our stock is from a grower who makes this magnificent variety one of his specialties, and has by careful selection brought it up to a very high standard. Lb. 20c, post-paid, pk. 40c, bu. \$1.25.



Ear of Pre-Historic Corn. Engraved from nature. An exact representation.

Crib
Corn
will
not be
Safe
Seed
this
Year.



Section of Ear of Pre-Historic Corn, showing depth of kernel. Engraved true to nature.

Pop
Corn
See next
page,
Also page
27 ::::

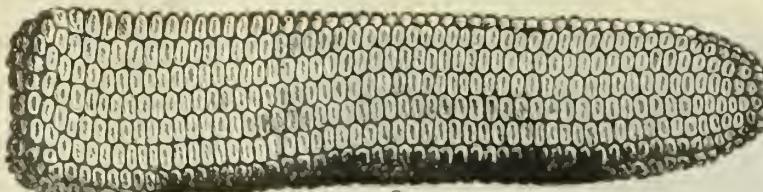


Improved Leaming.

For Ensilage Corn see page 75.
Write for prices when you want
large lots for fodder....

FIELD CORN

—CONTINUED.



ripens medium early, with ears seven to nine inches long; a small cob with deep grain, yielding when ground a flour equal in every way to the best wheat flour, and making the best bread, cake, etc. It

NORTH STAR YELLOW DENT.—One of the best early Dents; a safe variety to ripen in any locality.

Qt. 25c, post-pald, pk. 40c, bn. 75c.

NEW BRAZILIAN FLOUR CORN.—A rare variety of Indian corn, with a white, floury grain, yielding when ground a flour

EARLY MASTODON.—A new Yellow Dent, the largest and earliest in cultivation; has yielded 200 bushels to the acre. Per qt. 25c, pk. 35c, $\frac{1}{2}$ bn. 60c, bn. 75c.

GOLDEN BEAUTY.—A large and broad-grained yellow corn. Ripens early; fills out well at end of cob; heavy yielder. Qt. 25c, pk. 35c, $\frac{1}{2}$ bn. 60c, bn. 75c.

CHAMPION WHITE PEARL.—Originated in Illinois and is enormously productive; a strong grower; matures in about 100 days. The stalk is stout and thick, with large ears set low. Qt. 25c, pk. 35c, $\frac{1}{2}$ bn. 60c, bn. 75c.

LONGFELLOW FLINT.—This is an 8-rowed Yellow Flint variety, the result of careful selection. The ears are from 10 to 15 inches long, $1\frac{1}{2}$ to $1\frac{3}{4}$ inches in diameter, are well filled out to the extreme end of cob. The cob is small, kernels large and broad. This corn is well adapted to the northwest, and is said to have produced 200 bu. of ears to the acre in Massachusetts. Large pkg. 10c; lb., post-pald, 35c; by express, pk. 50c, bn. \$1.00.

KING PHILIP CORN.—This excellent red colored Flint corn is so well known that it needs no special description. It is an 8-rowed Flint, from 8 to 12 inches long, and with good cultivation will yield 75 bushels per acre. Ripened in North Dakota.

By mail, pkg. 10c, qt. 35c; by express, qt. 20c, pk. 50c. bn. \$1.25.

POP CORN.

GOLDEN POP CORN.—This variety, the ears of which are from 6 to 8 inches in length, is the largest and most productive of this class of corn. Kernels large, rich color, 12-rowed.

WHITE RICE POP CORN.—Wisconsin grown. A very fine white variety; ears, 4 to 5 inches in length and 1 to $1\frac{1}{4}$ in diameter. Kernel clear white, long and pointed at the top, sloping toward tip of ear. Not easy to husk, but quite prolific, and especially salable among the retail grocers in Chicago. It is very desirable for family use, popping out very large and tender.

RED RICE.—An excellent popping variety of handsome appearance. Ears 4 to 6 inches long, kernel pointed, color dark red.

WHITE PEARL.—Smooth, small-grained; ears 4 to 5 inches long, $\frac{7}{8}$ to $1\frac{1}{8}$ inches in diameter. Good for family use or market.

WISCONSIN EIGHT-ROWED.—The standard variety for market. Is largely used by pop corn manufacturers. Grain is broad, smooth and pops out large. Yields well and can be husked rapidly. Prices on all of above varieties of pop corn are: Pkt. 5c, pt. 25c, qt. 40c, postage paid.

KAFFIR CORN.

KAFFIR CORN.—A non-saccharine sorghum that has been extensively grown and found valuable. The plant grows from 6 to 7 feet high, is stocky and erect and has wide foliage. It produces 2 to 4 heads of grain on each stalk. These heads are long and narrow and well filled with white grain, which at maturity is slightly flecked with red spots. Kaffir corn has the quality common to all sorghums, of resisting drought, and in this fact is to be found its peculiar value to southern sections. It has yielded paying crops of grain and forage, even in dry seasons, when corn has utterly failed. Compared with other sorghums the Kaffir is found to be early, abundant in yield, reliable in all seasons and for a superior crop for both quantity and quality of its product. Its slow and manageable growth, ease of cultivation and harvesting are points distinctly peculiar to it, and in addition to these it is well proven to be less exhaustive to the land. Flour from the Kaffir grain has been found more nearly analogous to wheat than any other grain of its class. It is darker, of course, but is of like texture in the dough and in the cooking. For batter cakes, muffins, etc., it is excellent, and for buckwheat cakes it is considered by many as an improvement on the original.

Pkt. 5c, lb. 20c, post-paid, 100 lbs. \$3.00.

BROOM CORN.

IMPROVED EVERGREEN.—By mail, pkt. 5c, by express or freight, pk. 60c, bn. \$1.50.

EXTRA EARLY JAPANESE.—By mail, pkt. 5c, by express or freight, pk. 75c, bn. \$3.00.

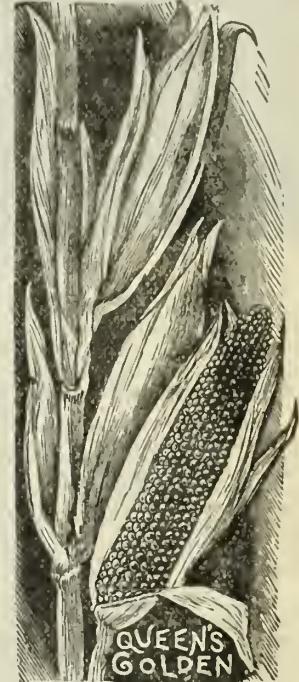
FODDER CORN.

RED COB ENSILAGE.—A southern type of large white corn, with deep red cob, strong leafy stalks and short joints. Adapted to all sections of the country, and a general favorite with thousands of dairy farmers.

Price, sacks included, pkt. 5c, $\frac{1}{2}$ pk. 20c, pk. 35c, bn. 60c.



Kaffir Corn.



DWARF ESSEX RAPE.



PHOTOGRAPH OF A FIELD OF ESSEX RAPE.

about 2 lbs. to the acre, in rows 22 inches apart, and cultivated until plants are too large. Seed may be sown in May, but we do not advise sowing until June or July. Can, however, be sown with grain in the spring, and it is said not to interfere with the grain crop. The Dwarf Essex Rape is unequalled as a pasture for sheep in the autumn, and as a fattening food is without a rival in point of cheapness and effectiveness. It will also keep a long time in early winter if cut and put in heaps like shocks of hay. **Large Packet 5c, 1b. 25c, 3 lbs. 60c, postpaid; 100 lbs. by freight \$5.90.** Price subject to change.

YELLOW MILO MAIZE—The growth is tall, nine to twelve feet, stooling from the ground like the White Milo Maize, but not so much. It sends out shoots also from the joints. The seed heads grow to great size on good land, often weighing three-fourths of a pound, sometimes a full pound after being fully ripe. On account of its branching habit and tall massive growth, this grain should be planted in four or five foot rows, and two to three feet in the drill, according to the quality of the land, two plants in a hill, three to five feet apart. **Lb. 10c, 5 lbs. 35c, 10 lbs. 60c, 50 lbs. \$3.00, 100 lbs. \$3.50.** If by mail, add 8c. per pound.

LARGE AFRICAN MILLET, OR WHITE MILO MAIZE—A variety of sorghum, non-saccharine, growing stalks eight to ten feet high and yielding heads of grain ten to fifteen inches long, weighing six ounces to half a pound when fully ripe. It bears dry weather, and makes its crops where corn would wholly fail. Plant in early April, in 3-foot rows, leaving one or two plants every 12 inches in the row, and cultivate as corn, 3 to 5 lbs. per acre. **Lb. 10c, postpaid; by freight or express, 10 lbs. 50c, 50 lbs. \$2.00, 100 lbs. \$3.50.**

SERADELLA—A valuable forage plant, admitting of one and sometimes two cuttings in one season. It succeeds well in a dry sandy soil, and furnishes a good pasture for sheep. It may also be cured for hay. Can be sown with winter rye. About 50 lbs. to the acre. **Per lb. postpaid, 30c, per 100 lbs. \$10.**

BIRD SEED.

We carry a complete stock of Bird Seed and furnish the best. Prices subject to market changes.

Add 10 cents per pound if to go by mail.

MIXED BIRD SEED—Per lb. 5c.

CANARY—Per lb. 5c.

RAPE—Per lb. 5c.

MILLET—Per lb. 5c, 10 lbs. 40c.

HEMP—Per lb. 5c, 10 lbs. 40c.

SUNFLOWER—Per lb. 8c, 10 lbs. 50c.

LETTUCE SEEDS FOR BIRDS—Per oz. 5c, 1/4 lb. 15c, 1 lb. 40c.

AUSTRALIAN SALT BUSH.

A Valuable Forage Plant for Alkali Soils and for All Regions Subject to Periodic Drought.

It grows on lands that will produce no other vegetation, providing from twenty to thirty tons of green, nutritious food per acre. Specially adapted to the unirrigated lands of the arid and semi-arid regions of the West, and to all regions where there is a deficiency of rainfall.

AUSTRALIAN SALT BUSH was introduced into the United States by the UNIVERSITY OF CALIFORNIA and has proved a boon to stockraisers on the great sheep and cattle ranges of California. In the semi-desert regions of the Pacific slope many acres of waste land have been reclaimed and made profitable through the agency of this plant.

AUSTRALIAN SALT BUSH has been for many years the mainstay of herdsmen on the great interior sheep and cattle ranges of Australia. In the semi-desert of Australia, South Africa, and on the alkali lands of Western America, where irrigation is impracticable, it thrives and produces large crops. It flourishes where grasses and other forage plants will not grow, furnishing enormous quantities of nutritive food for stock. It may be sown among our native grasses, and when so used increases the appetite and improves the condition of grazing animals. Recent Australian Government reports and the Kew bulletin show conclusively that the value of wools grown on salt bush is higher than on any other pasture known in Australia.

Per pkt. 10c, oz. 20c, 1/4 lb. 60c, per lb. \$2.00 postpaid.

A forage plant of great merit, easily grown in any part of the United States, on any land that will raise turnips or corn, and will furnish abundant supplies of succulent, rich, nutritious pasture, at a season when it is most needed. Is of great value for sheep and lambs, and when turned on it, to use a common expression, "they soon weigh like lead." It is also of value for pasturing cattle. One acre of rape is sufficient to pasture ten to fifteen lambs on for two to two and one-half months. It is often sown broadcast, about 5 lbs. to the acre, but will yield much better if drilled

COW OR SOUTHERN PEAS.

Plant in thoroughly pulverized soil. If wanted to plow under for manure, sow with a grain drill, in drills a foot apart. Is grown for fodder or for seed; plant three and a half feet apart and cultivate thoroughly. The seed must not be sown until the soil has become thoroughly warm. Weight per bushel, 60 lbs.

BLACK EYE—Seed large, round, oblong, creamy white, with a large black eye. Peck 50c, bushel \$1.50.

BLACK—Seed all black; called also "The Poor Man's Pea," on account of its wonderful prolificacy. Peck 50c, bush. \$1.50.

CLAY COLORED—Large seed, of a blue clay color. Peck 50c, bush. \$1.50.

WHIP-POOR-WILL—The seeds are large, speckled brown in color. Peck 50c, bush. \$1.50.

BERMUDA GRASS—(*Cynodon dactylon*)—Suitable only to our southern states, where it is very valuable, or the tropics; will not endure frost. On application we will give further information and quotations for larger quantities; to save time please state the number of pounds required. Sow 8 to 10 lbs. to the acre. **Lb. \$1.10 postpaid.**

PEARL MILLET(*Pennisetaria glauca*)—A valuable fodder plant for the south; is enormously productive. Sow in drills 18 inches apart, and 8 to 10 lbs. to the acre. **Per lb. postpaid, 25c, per 100 lbs. \$10.**

HOG MILLET—Known also as Broom Corn Millet. Quite unlike the German and Common Millet in habit of growth as well as the appearance of the seed, which is much larger. The name Hog Millet has been applied to emphasize the use to which it is now being put as an economical and valuable food for hogs, while it is also one of the best varieties for use for birds and all like commercial purposes for which Millet is sown. It is a valuable help in the profitable raising of swine even in the best corn belts, and of much greater value in all northern localities where corn is not so important a crop. **Lb. postpaid, 20c, 5 lbs. 80c; not prepaid, 10 lbs. 50c, 100 lbs. \$3.50, bags included.**

WILD RICE.

(*Zizania aquatica*.) The only one of our native plants furnishing food for wild fowl, ducks, geese, etc., which has been made an article of commerce. This seed can be sown on the borders of lakes, ponds, and along small streams to great advantage, attracting all of these wild birds from September on. It purifies the water and affords refuge to the small fry from the large fish. It makes a good hay and at the South two crops can be cut, and all cattle are fond of it. Sow in water having a mud bottom. **Lb. 30c, postpaid, bushel of 20 lbs. \$2.75.** Write for price on large quantities.

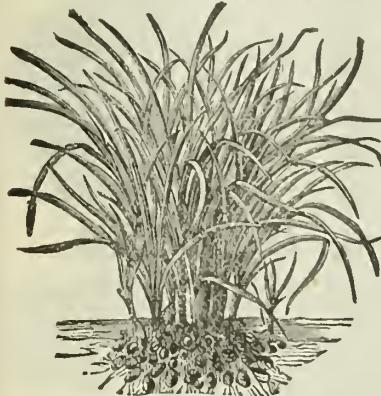
Leonard's "Golf Links" Grass Mixture.

Golf is a great game, and this golf mixture of ours is also great. It will make an enduring turf for the "putting green," and is well adapted for the outlying portions of the "links." This mixture is also well adapted for tennis, croquet, cricket and base ball grounds.

Per lb. 25c, 100 lbs. \$15.

Ailanthus or Tree of Heaven.

This splendid ornamental tree is a native of China, where it is called the Tree of Heaven, from its great beauty. It is very hardy, and thrives in any soil, no matter how poor, and grows from 6 to 10 feet high, from seed, the first summer. The leaves, from 5 to 6 feet in length, give it a grand appearance. Nothing outside the tropics can rival it for lawn decoration. Large panicles of bloom, followed in season by great clusters of colored seed pods, make the tree a continual thing of beauty. The cut represents a portion of a tree in bloom, and also a seedling tree four months from sowing. For beautifying lawns and flower-beds nothing can be finer, they being even more beautiful than Ricins or Cannas. Packet, 5c.



CHUFAS, OR EARTH ALMONDS.

Chufas. This is an underground product, growing near the surface and easily reached. The nuts resemble almonds in taste, and are eaten in large quantities by hogs and poultry. They are very fattening, and grow in great quantities. The seed may be soaked to an advantage before planting.

Packet, 5c, lb. 50c.



AILANTHUS, OR TREE OF HEAVEN.

Ensilage Corn.

RED COB ENSILAGE.—This is a pure white corn with a red cob. Dairy and cattle men should try this variety. It is sweet and tender, and is very productive, averaging from 25 to 30 tons per acre.

Pkt. 30c, bu. 60c.

SOUTHERN FODDER.—This is another white variety, and grows from 12 to 16 feet in height, with tender stalks and an abundance of broad leaves. This corn will withstand very hot weather, and yield 30 to 40 tons per acre.

Pkt. 30c, bu. 80c.



ENSILAGE CORN.

Peanuts. Peanuts can be raised with but little expense, and are an exceedingly productive and paying crop. They are planted in much the same manner as potatoes, and require but little care beyond thinning up the young plants.

SPANISH.—This variety is smaller and sweeter than the common, or Virginia. Plants grow upright and strong, and are easily harvested.

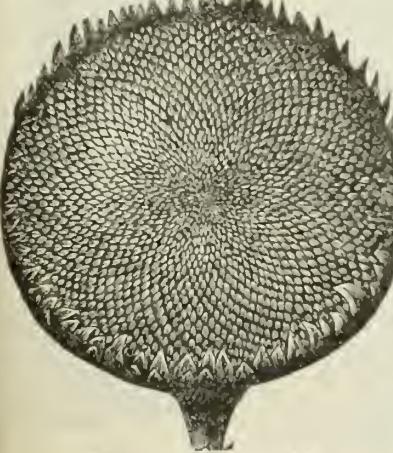
Pkt. 10c, pt. 25c, qt. 50c.

VIRGINIA.—This is the common peanut grown in the South. Postpaid, pkt. 10c, pt. 25c, qt. 50c.

Russian Sunflower.

This is highly prized by poultry raisers and farmers as a cheap food for fowls. It is immensely productive, and can be raised cheaper than corn, as any waste piece of ground will suffice. It is the best egg producing food known.

Price. oz. 5c, $\frac{1}{4}$ lb. 10c, lb. 20c. prepaid. Not prepaid, 10 lbs. 50c, 25 lbs. \$1.00, 100 lbs. \$3.50,



RUSSIAN SUNFLOWER.

...SMALL FRUITS...

STRAWBERRIES.

The blossoms of those marked with a letter P are destitute of stamens and are termed pistillate, and unless a row of perfect flowering variety is planted at intervals, not exceeding about a rod, they will produce imperfect fruit and but little of it; but when properly fertilized, as a rule, they are more prolific than those with perfect flowers.

BUBACH P—A wonderful berry in vigor of plant and yield of fruit, even under careless culture. During the past season it has fully sustained its reputation for large size and great yield. The fruit is in many instances enormous, and the average is large and handsome. It is exceedingly productive and very valuable for a near-by market.

SHARPLESS—One of the very largest berries of the entire collection, and has maintained its high reputation for vigor of plant, size of berry, flavor and productiveness; flesh firm, sweet, with a delicate aroma; of fine quality; color, clear light red, with a smooth, shining surface.

CHAS. DOWNING—An old and very popular variety from Maine to California. Fine flavor, very productive. Adapted to all sorts of soils and locations. Fruits in middle of season. Foliage rusts in some sections.

MANCHESTER—New, vigorous, enormously productive; fruit large, firm, and especially valuable as a market berry.

Any variety **25c. per doz., \$1.25 per 100, postpaid. \$1.00 per 100 by express.**

CURRENTS.

VICTORIA—An exceedingly valuable late variety. Berries large, handsome and fine flavored. A strong, vigorous grower and immensely productive. Two-year-old, **15c. each, \$1.50 per doz.** by express only.

WHITE GRAPE—Very large, yellowish white, sweet or very mild acid, excellent quality and valuable for the table; the finest of the white sorts; very distinct from the White Dutch, having a low spreading habit and dark green foliage. Very productive. Two-year-old, **15c. each, \$1.50 per doz.** by express.

FAY'S PROLIFIC—Far surpasses all other red varieties and has fully sustained the broad claims made for it by the disseminator upon its introduction. The bush is a strong grower and wonderfully prolific. Large, and less acid than any other varieties. The prices are now within the reach of all. Two-year-old plants, **15c. each, \$1.50 per doz.** by express.

CHERRY—Of the largest size; bunches short, plant strong grower and productive. A good market variety. Two-year-old, **15c. each, \$1.50 per doz.** by express.

All Currant Plants are large two-year-old, and should go by express.

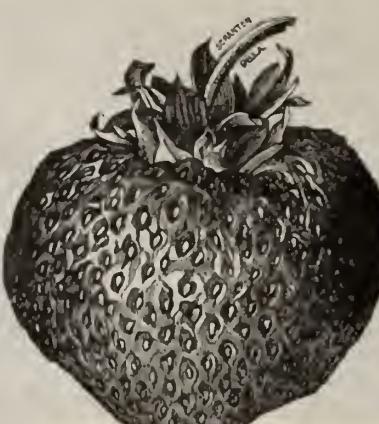
RASPBERRIES.

CUTHBERT, OR QUEEN OF THE MARKET—Now the most popular of all red raspberries. Berries large, of high spicy flavor; canes very strong, with large, luxuriant foliage; continues a long time in fruit. **60c. per doz., postpaid. 50c. per doz., \$2.00 per 100, by express.**

—A popular market sort. Canes of strong, vigorous growth. Berries very large, covered with heavy bloom, firm, fleshy and of fine flavor. **60c. per doz., postpaid. 50c. per doz., \$2.00 per 100, by express.**

GOLDEN QUEEN (Yellow)—The most popular and best yellow raspberry yet introduced. Of large size, great beauty, high quality, hardiness and productiveness. Fully equal to Cuthbert in size of fruit and vigor of growth. **60c. per doz., postpaid. 50c. per doz., \$2.00 per 100, by express.**

SHAFFER'S COLOSSAL—Canes are of wonderful vigor and size, hardy and enormously productive. Berries large, of a dull purplish, unattractive color, rather soft, but luscious and of a rich sprightly flavor. **60c. per doz., postpaid. 50c. per doz., \$2.00 per 100, by express.**



BUBACH.



GRAPES.



MOORE'S EARLY.

GOOSEBERRIES.

DOWNING—Largest of our native gooseberries; pale green, very sweet. **20c. each, \$2.00 per doz., postpaid. 15c. each, \$1.50 per doz.** by express.

HOUGHTON—Well known, medium size, pale red, very productive. **15c. each, \$1.50 per doz., postpaid. 10c. each, \$1.00 per doz.** by express.

INDUSTRY—It is one of the heaviest crop-pers and never has been known to fail a single season. It possesses a peculiar advantage over other kinds by coming into leaf sometime before it flowers, consequently the foliage protects the bloom from destructive spring frosts; the fruit is of largest size and very sweet, very early, and freest from mildew of any English variety. **25c. each, \$2.00 per doz., postpaid. 15c. each, \$1.50 per doz.** by express.

All Gooseberry Plants are large two-year-old.

BLACKBERRIES.

SNYDER—Esteemed in the coldest portions of the country on account of its extreme hardiness. Berries of medium size, but produced in abundance; sweet, juicy and when fully ripe without a hard core. Well adapted to the Northwest, where other varieties are injured in severe winters. Large size, **15c. each, postpaid. 10c. each, \$1.00 per doz.** by express.

ERIE—Fruit of large size, roundish, uniform in size, excellent quality and handsome; valuable for home use or market. **15c. each, postpaid. 10c. each, \$1.00 per doz.** by express.

DEWBERRY.

LUCRETIA—Fruit very large, soft, sweet and luscious, without any hard core. The fruit ripens before the ordinary blackberry. Plant is hardy and very productive. **60c. per doz., postpaid. 50c. per doz.** by express.



GRAPES.

BRIGHTON—Dark red, bunch large, berry medium size, skin thin, flesh tender, quality the best. **25c. each, \$2.00 per doz.** Large two-year-old plants, and can go by express only.

CONCORD—A large, purplish-black grape, ripening about the middle of September; vines remarkably vigorous and free from disease. **15c. each, \$1.50 per doz.** By express only.

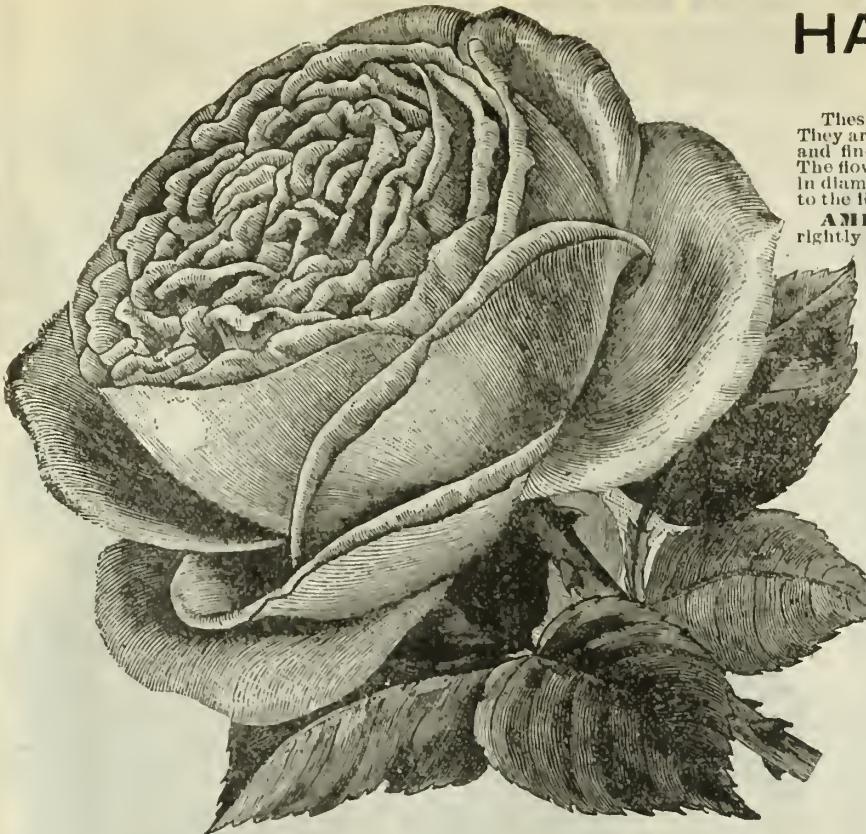
DELAWARE—Juicy and high-flavored. Bunch and berry small; color, light red; very sweet. **25c. each, \$2.00 per doz.** by ex. only.

MOORE'S EARLY—One of the very best early black grapes. Cluster medium size, berry very large. Ripens nearly two weeks before the Concord, and is of about the same quality. Vine perfectly hardy. Should have a place in every fruit garden. Is a very profitable market grape on account of its earliness and good shipping qualities. **25c. each, \$2.00 per doz.** By express only.

NIAGARA—Vine remarkably hardy, and an unusually strong grower; bunches very large and compact, sometimes shouldered; berries large or larger than the Concord, mostly round; light greenish white, semi-transparent, slightly ambered in the sun; skin thin, but tough, and does not crack; quality good, very little pulp, mellow and sweet to the center. **25c. each, \$2.00 per doz.** By express only.

HARDY ROSES.

(*Hybrid Perpetual.*)



Mrs. John Laing.

JOHN HOPPER.—One of the most reliable and satisfactory H. P. Roses; flowers large, regular and full; color bright glowing pink, shaded with rich crimson; very sweet and remarkably profuse bloomer.

MAGNA CHARTA.—A splendid Rose, with extra large flowers; rosy red, flushed with bright crimson. A sure and profuse bloomer, and one of the hardiest and best for general planting.

MARGARET DICKSON.—Large white, pale flesh center; of good substance.

MRS. JOHN LAING.—Soft, satiny pink. Extra large, full and sweet; first-class in every way; blooms early in season until autumn; vigorous and hardy. The finest pink Rose grown.

MME. PLANTIER.—Free and hardy. Pure white, large, full and flat. The best variety for cemetery planting.

PERLE DES BLANCHES.—Pure white, large, double and globular. Constant and profuse bloomer. Flowers produced in clusters.

PAUL NEYRON.—Deep rose. One of the best sorts. Full and finely scented. The largest variety known. Bright, shining, clear and beautiful.

PERSIAN YELLOW.—Bright yellow. Best of its color. Flowers full and double; fragrant foliage.

ULRICH BRUNNER.—Cherry red. Magnificent flowers, large and full. Hardy, vigorous and a free bloomer.

HARDY CLIMBING ROSES.

Climbing Roses can be enjoyed even by dwellers in severe climates. The following varieties endure the most trying zero weather and make a grand mass of flowers in spring:

ALTIMORE BELLE.—Pale blush, almost white; very double. Flowers in graceful clusters, the whole plant appearing a beautiful mass of bloom.

GREVILLE (Seven Sisters).—Luxuriant in growth; flower-clusters immense, varying from white to rose-pink.

RAIRIE QUEEN.—Bright carmine pink; full, globular flowers of fine size. A fine rose for all seasons.

Large, Strong, Dormant Plants
that will bloom the first season.

By Mail, prepaid, 30c each; \$3.00
per doz. By Express, purchasers'
expense, 25c each; \$2.50 per doz.

Baltimore Belle.

These are considered the most valuable of all Roses. They are chiefly distinguished for their vigorous growth and fine large flowers, and for being entirely hardy. The flowers are large, often measuring five to six inches in diameter, very fragrant, and of all the colors known to the Rose.

AMERICAN BEAUTY.—This variety has been rightly described an ever-blooming Hybrid Perpetual. The flowers are very large, of beautiful form and very double; color a deep, rich rose. The fragrance is delightful, resembling La France or the old fashioned Damask Rose. It is truly an ever-bloomer, each shoot producing a bud.

ANNA DE DIESBACH.—Bright rose color, very large and showy; particularly fine in bud; flower slightly cupped. A vigorous grower; one of the best.

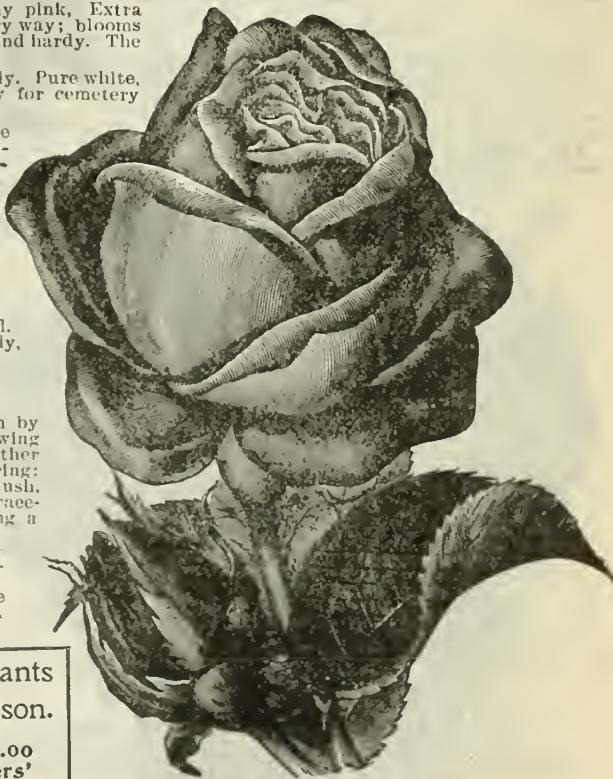
BARONESS ROTHSCHILD.—The most beautiful of all Roses. Of immense size, perfect form and exquisite color; rich lovely shade of pale pink, delightfully perfumed.

CAPTAIN CHRISTY.—Beautiful sort. Delicate flesh, changing to rose at center. Very full and regular. Extra fine bloomer.

ANNA DE DIESBACH (Glory of Paris).—Brilliant crimson. Flowers finely formed; large, double and compact; full and sweet. Free bloomer, vigorous and hardy.

GENERAL WASHINGTON.—This splendid Rose is one of the best Hardy Perpetuals for general planting; color bright shining crimson, very rich and beautiful; flowers large and perfectly double. Blooms the first season, and almost constantly.

GENERAL JACQUEMINOT.—Rich velvety crimson, changing to scarlet crimson. A magnificent rose; equally beautiful in the bud state or open. This is the best known of all Hybrid Perpetuals, and is without a rival in fragrance and richness of color. It is as easy of cultivation as many of the more common varieties, and perfectly hardy.



General Jacqueminot.

Hardy Shrubs..



Crown Day Lily.

Hemerocallis Kwanso. fl. pl. (Crown Day Lily.) The flowers are produced in clusters; they are of a bright orange yellow, and each petal is marked with a large crimson blotch; they form bold, handsome tufts of long, broad radical leaves, and clusters of lily-like flowers of great substance, deliciously scented and exceedingly useful for cutting. All the buds will open in water, and for vases, etc., they are very useful. Each 25c., doz. \$2.50 postpaid; by express 10c. each, \$1.00 per doz.

H. Dumortieri.—Soft yellow, exterior bronzy orange, 2 feet high; a very choice variety. 25c. each, doz. \$2.50 postpaid; by express 10c. each, \$1.00 per doz.

H. Flava.—Golden yellow; very fragrant; fine for cutting and forcing. Each 15c., doz. \$1.50 postpaid; by express 10c. each, \$1.00 per doz.

BERBERIS.

American Barberry.—A shrub or low tree, with handsome distinct foliage and yellow flowers, succeeded by red berries. 25c. each by express.

Purple-leaved Barberry.—2 to 3 feet high, with violet-purple foliage and fruit; blossoms and fruit beautiful. 25c. each by express.

Van Houttei.—Compact dwarf. A new and beautiful variety. 25c. each by express.



Double Dwarf Sunflower.

Achillea, The Pearl. 18 inches. One of the most useful of our border perennials; erect stems, 2½ feet, terminating with pure white flowers, and exceedingly double; for cutting purposes it is invaluable. June to September. 15c. each, \$1.50 per doz., 20c. each, postpaid.

ACHILLEA.

Aquilegia, Columbine. One of the most deservedly popular groups of hardy plants, and one in which every variety has an individual grace and beauty, which never fails to elicit admiration. There are many hybrid seedlings, all of which are exceptionally fine and distinct, and which we can offer in quantity. 25c. each, per doz. \$2.50 postpaid, 15c. each, \$1.50 per doz. by express.

AQUILEGIA.

Rose of Sharon. The Altheas are fine free growing, flowering shrubs, of the easiest cultivation. Very desirable on account of blooming in August and September, when scarcely any other tree or shrub is in blossom.

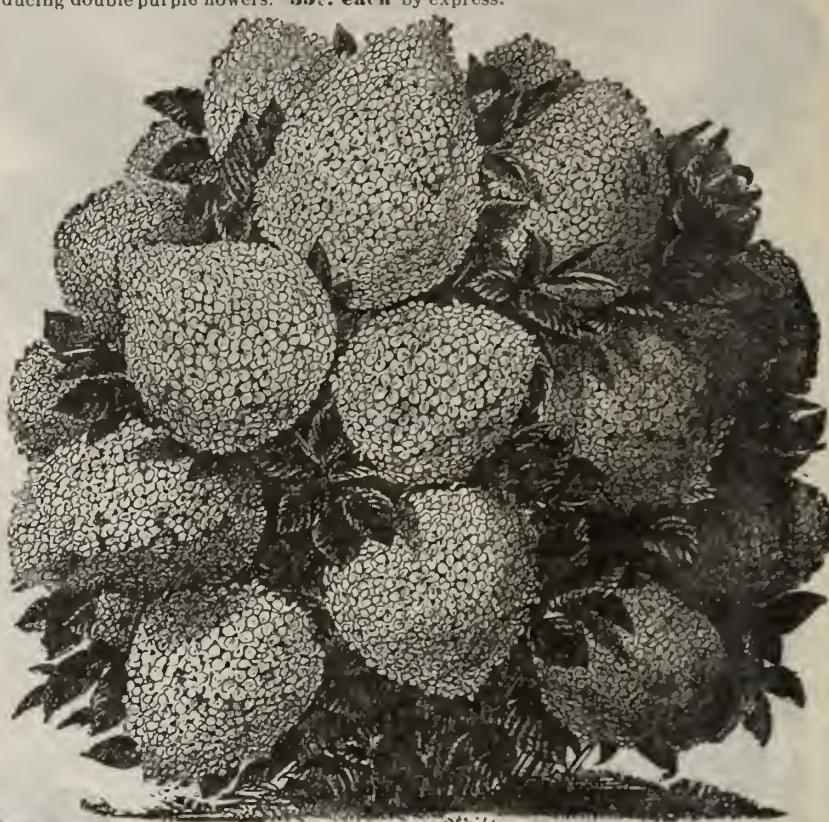
Double Althea. White; with purple outside; petals shaded pink. 25c. ea. by ex.

Boule de Feu. Large, very double, well formed flowers, of a beautiful violet-red color; plant vigorous; flowers late. 25c. each by express.

Variegated Leaved Althea.—Foliation finely marked with light yellow, and producing double purple flowers. 35c. each by express.

ALTHEA.

Hydrangea Paniculata Grandiflora. This is one of the most valuable hardy shrubs. It attains a height of three to four feet, and is perfectly hardy in all parts of the country. The flowers are white. Borne in immense pyramidal panicles nearly a foot in length. 25c. each by express



Hydrangea Paniculata Grandiflora.

HYDRANGEA.

Paniculata Grandiflora.—This is one of the most valuable hardy shrubs. It attains a height of three to four feet, and is perfectly hardy in all parts of the country. The flowers are white. Borne in immense pyramidal panicles nearly a foot in length. 25c. each by express

CYDONIA.

Japonica.—Scarlet Japan Quince. Has bright scarlet crimson flowers in great profusion in the early spring; one of the best hardy shrubs. 25c. each by express.

Currant-Ribes. The flowering currants are beautiful shrubs in early spring, and of easy culture.

Aureum.—Yellow-Flowering Currant. A native species. 25c. each by express.

Sanguineus. fl. pl. (Double crimson, flowering.) 50c. each by ex.

CORNUS SANGUINEA.

Crimson Dogwood.—In winter the bark is a bright glossy crimson, making a beautiful contrast with the snow. 25c. each by express.

White Dogwood.—A small tree with large white flowers. 50c. each by express.

Red Flowered.—A new variety, with bright rosy pink flowers. 50c. each by express.

DOUBLE DWARF SUNFLOWER.

This variety of *Helianthus* is a perfect gem. The plants attain a height of almost four feet, and in their blooming season are nearly covered with bright yellow flowers, so much like Dahlias that they are easily taken for them. It needs never to be replaced, as the plants are perfectly hardy and come up every year. Roots bloom the first year. 15c. each, two for 25c.



IRIS KÆMPFERI.

IRIS KÆMPFERI—A new group of Japan Irises, totally distinct, producing the most gorgeous flowers, many of which are eight inches across. They form strong tufts of lovely, bright green foliage from two to three feet in height, surmounted by large Clematis-like flowers, both single and double, of almost every shade of red, white, blue, rose, crimson and purple, striped, splashed and veined in the most exquisite manner. **25c. each, \$2.50 per doz. postpaid. 15c. each, \$1.50 per doz.** by express.

IRIS GERMANICA.

This group includes all the broad-leaved Irises, and taken as a whole, they form a group unparalleled in beauty, nothing in creation can vie with them, unless it is the Orchids from the tropics. Every shade of color is found among them. **25c. each, \$2.50 per doz. postpaid. 15c. each, \$1.50 per doz.** by express.

IRIS SIBERICA.

A lovely Iris, producing tall spikes of elegant bloom early in the spring; color, deep blue. **15c. each, \$1.50 per doz. postpaid. 10c. each, \$1.00 per doz.** by express.

HOLLYHOCK.

We have a choice selection of very double Hollyhocks. These tall, graceful and showy plants are very effective in solid beds, or planted among shrubbery. **25c. each, \$2.50 per doz. postpaid. 15c. each, \$1.50 per doz.** by express.

DELPHINIUM.

DELPHINIUM (Larkspur)—This bold and attractive group of perennials is a grand addition to the garden. Nothing can surpass the display a collection of these produce, with their long, stout spikes of flowers of soft, pleasing colors, varying through almost every shade of blue, from the palest silvery to the deepest lapis, the centers running from pure white to brown and black, resembling a bee. **25c. each, postpaid. 15c. each, \$1.50 per doz.** by express.

DIANTHUS.

DIANTHUS BARBATUS (Sweet William)—Auricula flowered, very showy. A large bed of these on our ground has been a mass of bloom the past summer, and lasting a long time in flower. White and light purple and pinks predominate, beautifully marked with dark rings. **20c. each, postpaid. 15c. each, \$1.50 per doz.** by express.

DIANTHUS PLUMARIUS—Garden Pink.

Thick tufts of handsome green foliage and fragrant masses of bloom, either pink or white. We have two long borders of these which are perfect gems in their season. **15c. each, \$1.50 per doz. postpaid. 10c. each, \$1.00 per doz.** by express.

DIELYTRA.

D. SPECTABILIS—Bleeding Heart. Two feet; May. A well known, very desirable form of tall growth, and with very showy rosy crimson and white peculiar shaped flowers. Fine for borders and margins of shrubberies. **20c. each, \$2.00 per doz. postpaid. 15c. each, \$1.50 per doz.** by express.

FORSYTHIA.

SUSPENSA—Weeping. Bright yellow flower, very early; growth is somewhat drooping. **25c. each, by express.**

VIRIDISSIMA—A fine, hardy shrub; leaves and bark deep green; flowers deep yellow; very early in spring. **25c. each, by express.**

DEUTZIA.

CRENATA FLORE PLENO—Double flowering Deutzia. Flowers double white, tinged with rose; one of the most desirable flowering shrubs in cultivation. **25c. each, by express.**

PRIDE OF ROCHESTER—Large double white flower, slightly tinted with rose; vigorous habit. **25c. each, by express.**

GRACILIS—A charming species of dwarf habit from Japan; flowers pure white; fine for pot culture. **25c. each, by express.**

ELDER—SAMBUCUS.

Showy, large shrubs, quite ornamental; they blossom in June; should be kept in good shape by frequent pruning.

AUREA—Golden Elder. A handsome variety with golden yellow foliage; a valuable plant for enlivening shrubberies. **25c. each, by express.**

LACINIATA—Cut-leaved Elder. A valuable variety with elegantly divided leaves; one of the best cut-leaved shrubs. **25c. each, by express.**

VARIEGATA—Variegated-leaved Elder. Of strong, healthy growth; foliage mottled with yellow and white; one of the best variegated-leaved shrubs. **35c. by express.**

EULALIA.

These ornamental grasses from Japan give fine effects grown in masses.

E. JAPONICA FOLIIS STRIATUS—The leaves of this variety have a creamy white band running through the center of each leaf, giving it a very pleasing appearance. **20c. each, postpaid. 15c. each, \$1.50 per doz.** by express.

E. ZEBRINA (New Zealand Striped Grass)—A remarkable variegated plant, having bars of yellow running crossways, not longitudinally. **20c. each, postpaid. 15c. each, \$1.50 per doz.** by express.

ELEAGNUS LONGEPES.

A new ornamental shrub of medium size and handsome growth, which bears a full crop of bright colored edible fruit as large as currants. **35c. each, \$3.00 per doz.** by express.

EUONYMUS.

BURNING BUSH—A tall growing shrub with large leaves, turning to scarlet in the autumn; with large, scarlet, three-lobed seeds. **25c. each, by express.**

EXOCORDA.

GRANDIFLORA—A fine shrub, producing large, white flowers in May; always scarce; one of the finest shrubs of the season. **25c. each, by express.**

FUNKIA—Day Lily.

A beautiful genus of handsome foliage plants, comprising some of the most ornamental in cultivation. Their noble aspect, elegant outline, and bold palm-like foliage render them exceedingly attractive either for pot culture or for planting in the open.

F. GRANDIFLORA—Two feet. July to September. A fine pure white, large-flowered, and exceedingly fragrant species, with handsome, broad, light green foliage. **25c. each, \$2.50 per doz.** postpaid. **20c. each, \$2.00 per doz.** by express.

HIBISCUS.

MOSCHEUTUS—Very showy; valuable for mid-summer blooming when color is needed in the shrubbery. The flowers are four to six inches in diameter, pure white with crimson throat, and formed like a single hollyhock. **30c. each, postpaid. 25c. each, \$2.00 per doz.** by express.



IRIS GERMANICA

PAEONIES.

HERBACEOUS.

Magnificent hardy plants, almost rivaling the rose in brilliancy of color and perfection of bloom. They thrive in almost every climate or situation, and when planted in large clumps on the lawn, make a magnificent display of flowers and foliage. Some of the varieties are very fragrant. They are perfectly hardy, require little or no care, and produce larger and finer blooms when well established.

We offer the following colors:

Pure White, Deep Crimson and any shade of Pink. 25c. each, \$2.50 per doz. by express. Smaller size, 25c, postpaid.

LILAC.

Well-known, beautiful shrubs, indispensable in every collection. They flower in May.

Common Lilac.—Bluish purple flowers. 25c. each, by express.

President Grey.—A beautiful blue; individual flowers very double and very large, measuring three-quarters of an inch in diameter; the panicle is magnificent and measures eleven inches in length. 50c. each, by express.

S. Persica. Persian Lilac.—Native of Persia. From 4 to 6 feet high, with small foliage and bright purple flowers. 25c. each, by ex.

Vulgaris Alba.—Common White Lilac. 25c. each, by express.

Japonica. Tree Lilac.—A vigorous grower that forms a medium sized tree and blooms in large, spreading clusters of creamy white flowers. 50c. each, by ex.

LONICERA. UPRIGHT HONEYSUCKLE.

Tartarica. Tartarian Honeysuckle.—Pink flowers which contrast beautifully with the foliage. 25c. each, by express.

L. Fragrantissima. Fragrant Upright Honeysuckle.—A spreading shrub, with deep green foliage and very fragrant small flowers, which appear before the leaves; foliage almost evergreen. 25c. each, by express.

HARDY PHLOX.

These are justly esteemed as the finest of Herbaceous Plants. They are of dwarf habit, perfectly hardy, of very easy culture, and yield a profusion of bright, showy bloom. They are hardly equalled by any other hardy plant for the decoration of the garden. Twelve choice varieties. 20c. each, \$2.00 doz.

RHUS.

Rhus Glabra Laciniata.—Fern Leaved Sumac. Finely cut foliage and compact habit of growth; new and beautiful. 25c. each, by express.

Tamarix Africana.—A slender-branched shrub with fine, feathery foliage and delicate pink flowers. 25c. each, by express.

PHILADELPHUS

Ph. coronarius. Syringa.—A well-known shrub, with pure white, highly scented flowers. One of the first to flower. 25c. each, by express.

Double-flowering Syringa.—Partially double, very fragrant dwarf habit. 25c. each, by express.

Golden-leaved Syringa.—Medium size, of golden yellow foliage the entire season, and will be found valuable for creating pleasing contrasts with purple-leaved shrubs. 35c. each, by express.

PRUNUS.

Japonica. Dwarf Double White-flowering Almond.—Produces beautiful double white flowers in May. 25c. each, by express.

Dwarf Double Pink-flowering Almond.—A beautiful small shrub, bearing in May, small, double, rose-like flowers, closely set upon the twigs. 25c. each, by express.

Pissardii. Purple-leaved Plum.—The finest purple-leaved small tree of recent introduction. The leaves, when young, are lustrous crimson, changing to a dark purple, and retain this tint till autumn. 50c. each, by express.

SPIREA.

S. Van Houttei. The finest variety in the collection. Flowering in early June, the plant is covered with a mass of large, white flowers, presenting a beautiful appearance. 25c. each, by express.

S. Biflora. Rose-colored. Blooms nearly all summer.

Prunifolia flore pleno.—A beautiful shrub from Japan, with pure white flowers like daisies, in May; in flower a long time. One of the best flowering shrubs. 25c. each, by express.

S. Reevesii.—Narrow, pointed leaves, and large round clusters of white flowers that cover the whole plant; exceedingly effective. Blooms in June. 25c. each, by express.

WEIGELIA.

Canida. White-flowered. D.—A valuable variety; beautiful clusters of pure white flowers. 25c. each, by express.



Herbaceous Peonies.

PAPAVER.

Perennial Poppies.—The large varieties are fine for the shrubby or herbaceous border, either single or in masses; while the Iceland Poppies, being very dwarf in habit, are adapted to the border or for bedding purpose.

Oriental. (3 feet, June.)—The large Oriental Poppy, a bold and showy perennial, producing numerous slender stems 2½ feet high, with large crimson-scarlet flowers. 20c. each, \$2.00 doz., postpaid. 15c. each, \$1.50 doz., by express.

PRIVET.

California Privet.—Erect habit, with short, thick, dark green foliage which remains upon the plant very late in the autumn. 25c. each, by express.

White-edged Leaf Privet.—Of upright habit, the leaves margined with white. 50c. each, by express.

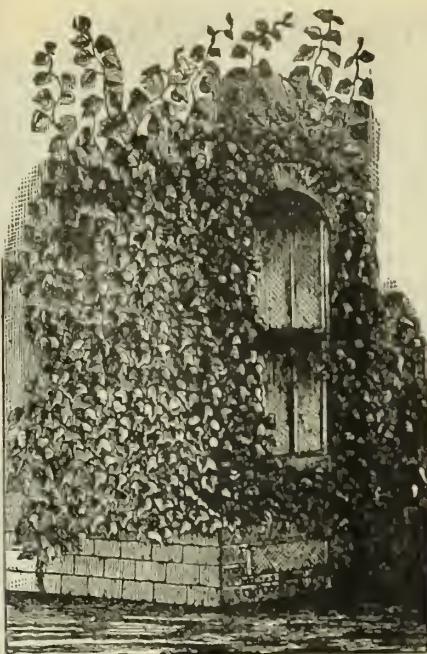
VIBURNUM.

Plicatum.—From North China. Globular heads of pure white flowers early in June. It surpasses the common variety in several respects. Its habit is better, foliage much handsomer, flowers whiter and more delicate. 25c. each, by express.

Var. sterilis. Snowball Tree.—A well-known favorite shrub, of large size, with globular clusters of pure white sterile flowers the latter part of May. 25c. each, by express.



Bridal Wreath, or Spirea Van Houttei.

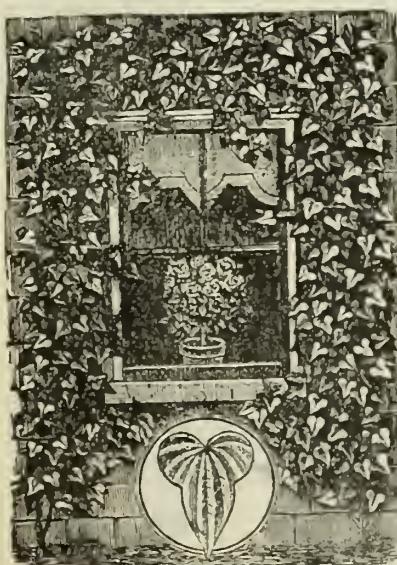


AMPELOPSIS VEITCHII.

Chinese Yam, OR CINNAMON VINE.

The stem is 12 to 20 feet in length, of rapid growth and climbing habit, forming an excellent covering for screens, arbors and unsightly places. The flowers are small, delicate, white, in clusters, and owing to the peculiar spicy fragrance which scents the air for a long distance, they are also rightly called the Cinnamon Vine. Leaves are heart shaped, edged crimson, and make a pretty contrast with the white flowers.

Large roots 10c each, postpaid.



CINNAMON VINE.

PERIPLOCA GÆCA.

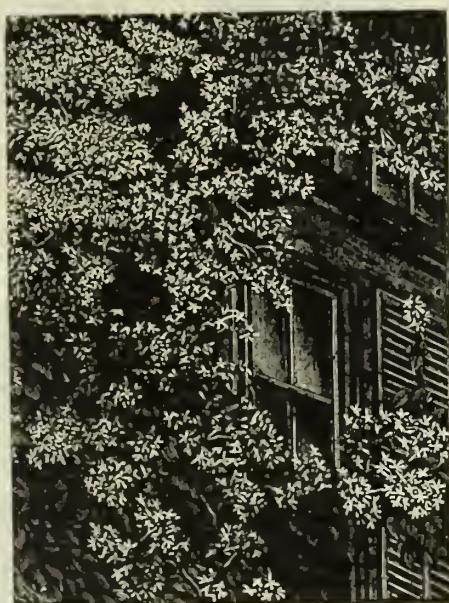
Silk Vine. An exceedingly rapid grower, reaching up to a great height, with shining, long narrow leaves and clusters of purplish brown blossoms.

Each 50c by express.

WISTARIA.

Strong and rapid grower, desirable for trellises, porches, etc. When well established they will grow 20 feet or more in one season. A free bloomer and handsome flower, light purple or white. Each 25c by express.

We charge no postage on Flower Seeds or Bulbs, but deliver them free to any Post Office in the United States or Canada. Some shrubs which are too large for mailing are quoted only by express. It is much safer to send plants and shrubs by express, and as larger plants can be sent, is much more satisfactory.



CLEMATIS PANICULATA.

Ampelopsis.

VEITCHII (Boston Ivy) — This is a very attractive clinging vine. Its glossy ivy leaves overlap each other, and its long delicate young shoots stretch up the stone walls of many residences. The tendrils at nearly every joint, cling firmly to the smoothest surface of rock or wood. The glossy leaves assume in the autumn the most beautiful tints of scarlet and crimson. The handsomest vine possible for growth on house walls, especially the foundation and first story, round the doors and windows. It is quite hardy, but some protection of straw may well be used immediately round the plant in winter.

Each 25c per doz. \$2.00.

QUINQUEFOLIA (Virginia Creeper) — Luxuriant in growth, with handsome foliage turning bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. Each 25c postpaid; each 15c, per doz. \$1.50 by express.

BIGNONIA RADICANS (Trumpet Creeper) — Another good old-fashioned hardy climber. It has clusters of large trumpet-shaped, crimson-orange flowers, very much resembling a mammoth honeysuckle. Will grow in almost any soil and under most trying conditions; very hardy. Each 20c postpaid; each 15c, per doz. \$1.50. by express.

AKERIA QUINATA — Hardy climbing shrub, with fine foliage and dark purple flowers. Each 30c postpaid; each 25c, \$2.00 per doz. by express.

Clematis.

None among hardy perennials exceed in beauty and effectiveness the finer sorts of Clematis. As a climber for the porch, for training on arbors, in masses on rock-work, it has no rival among strong growing blossoming plants.

CLEMATIS JACKMANI — This variety, with its strong, healthy growth, hardy nature and rich, deep velvet purple flowers, is the most satisfactory of its class.

It blooms with astonishing profusion from July to November on shoots of the present season, and should be pruned early in the spring.

Large size 75c each postpaid.

HENRYI (Bangholm Belle) — A strong grower. Flowers always 8 separated, four to six inches in diameter, and pure white. Very hardy.

Large 75c each postpaid.

C. FYRIDA SIEBOLDII — Large, light blue flowers.

75c each postpaid.

CLEMATIS PANICULATA — A vine of very rapid growth, quickly covering trellises and arbors with handsome, clean, glossy green foliage. The flowers are of medium size, pure white, borne in immense sheets, and of a most delicious and penetrating fragrance. 35c each postpaid; 25c each by express.

Honeysuckles.

BELGICA — Monthly, Fragrant, or Dutch Honeysuckle. Blooms all summer. Red and yellow, very fragrant flowers. 25c each, \$2.00 per doz. by express.

HALLEANA — Japan. Evergreen Honeysuckle. Vigorous grower. Flowers yellowish white, exceedingly fragrant and freely produced all summer, while the foliage is of the richest glossy green. 25c each, \$2.00 per doz. by express.



WISTARIA.



Tuberous Begonias.

Dahlia.

These old-fashioned flowers are again coming to the front rank. For the table, or in fact any floral decoration, these flowers are unexcelled. Their gorgeous colors, pretty forms, long stems, etc., make them expressly adaptable for vases. The list following contains some of the best prize-winning varieties:

Any Variety, 20c. each, 3 for 50c., \$1.50 per doz., postpaid. Large Dry Roots.

BONNARD'S YELLOW.—A very early bloomer; yellow.

CAMELLIAFLORA.—Very distinct; unlike any other white Dahlia. Plant a robust grower, with the long-stemmed flowers poised high above it. Flowers pure white, with long-toothed and quilled petals. One of the very best.

CRIMSON BALL.—Color a rich, glowing, dark crimson, forming an almost perfect ball; and when flowers are full blown, the outer edge of the petals take on a distinct rosy violet hue, giving the flower a dazzling appearance impossible to describe.

FLORAL PARK JEWEL.—Flowers of many colors, from deep maroon to blush-white, including beautiful spotted and variegated forms, are all produced on the same plant.

GUSTAV PANZER.—Large, deep, velvety purple.

A. D. LIVONI.—A grand, rich solid pink of the most lovely form; petals beautifully quilled, regular and double to the centre; an early and profuse bloomer; flowers borne on long stems.

MISS DODD.—Purtest yellow, of exquisite form and color; remarkably handsome flower.

MISS THATCHER.—The best golden-yellow Dahlia in cultivation. The flowers are very large, very full and double.

NYMPHÆA.—This grand Cactus Dahlia is a most distinct variety. The color is a clear, distinct, light shrub pink, shading slightly darker toward the outer petals. The inner petals are almost pure white; as the flower fades, becomes decidedly so, and does not show any signs whatever of a yellow centre. The flower is of a most exquisite finish, soft, waxy, delicate and graceful, and will keep perfect, when cut, for several days. In its habit and growth it is also distinct, resembling more a fine, vigorous, well-kept rose bush.

JOHN SLADDAN.—Termed the Black Dahlia, being the nearest approach to black yet introduced. Color, very dark maroon, shaded black.

SNOW DWARF.—Very large, pure white flower; smooth, rounded petals.

WHITE DOVE.—Pure white. Each petal divided into three distinct points. Flowers well above the foliage, on very long stems. Very attractive.

Tuberous Begonias.

This class is becoming very popular, either for beds of summer flowers or as pot plants for the house. Can be grown out-doors with fine success. Nothing can exceed the brilliancy of their colors, the delicacy of their tints, the richness of their waxy flowers, the gorgeousness of their effect in masses, or their graceful appearance in beds or borders.

Single Flowered, Mixed, 10c. each, \$1.00 per doz.

Double Flowered, Mixed, 20c. each, \$2.00 per doz.

CANNAS.

LARGE FLOWERING DWARF VARIETIES.

ELDORADO.—The grandest of all Yellow Cannas, and the nearest approach to a pure golden yellow to date, being very finely speckled with lightest red. Spikes of bloom very compact. Petals broad; the open flowers that drop from the spike as soon as they pass perfection, leaving it always clean and bright.

QUEEN CHARLOTTE.—Considered by many the finest of all gilded varieties. It has heavy bluish-green foliage; enormous flower-spikes, towering grandly above the foliage; large flowers of perfect form, with petals of a rich crimson-scarlet with wide gold border on every petal. Three feet.

ALPHONSE BOUVIER.—The richness of coloring in this variety is its greatest glory, a deep rich crimson, velvety in its intensity, overlaid with dazzling red. It is a strong grower, attaining a height of six feet.

J. D. CABOS.—Another dark-foiled variety, with flowers of very rich orange, tinged with apricot; in foliage and flower it is unsurpassed.

FRANCOIS CROZY.—Folage green; flowers salmon, with yellow edge. A free bloomer. Four feet.

MADAM CROZY.—Flowers large, flaming scarlet, bordered gold; very fine green foliage. One of the best and most dwarf sorts. 3 feet.

PAUL MARQUANT.—A peculiar shade of salmon, overlaid with soft rosy carmine; large and distinct flowers.

FLORENCE VAUGHAN.—The most striking yellow-spotted Canna ever introduced. Lemon-yellow, spotted with bright red. Free bloomer, with large spikes of handsome, most distinct and beautiful flowers. Foliage massive and light green. Four feet.

CHARLES HENDERSON.—A splendid compact grower, with erect compact heads of bloom of large size; flowers bright crimson, center marked with gold pencilings. Very fine foliage, and a profuse bloomer; best crimson. 3½ feet.

Strong, Dry

Roots,

15c. each,

9 for \$1.00,

Postpaid.

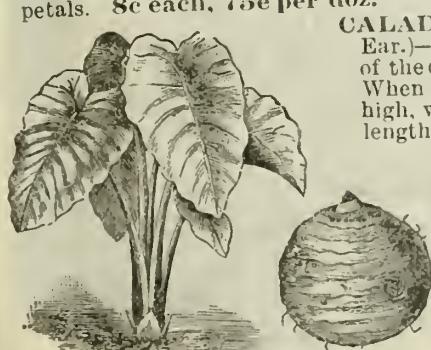


Tuberoses.



Tuberose.

crimson, center mottled with yellow. **TIGRIDIA GRANDIFLORA ALBA.**—Flowers large, ivory white, spotted at the base with red on yellowish ground, forms a fine contrast with the white petals. 8c each, 75c per doz.



Caladium Esculentum.

Pure white, waxy flowers. Extremely fragrant. We select our bulbs with great care, and customers will find they will grow larger, finer and more double tuberoses from our stock than any other. **Only large, fine, double** blooming bulbs will be sent.

TALL, DOUBLE.—Three to five feet high, strong and free blooming. Prepaid, 6 for 20c, per dozen 35c.

PEARL.—Larger, better and more flowers produced by this sort than the old variety. Stems short; from two to three feet high. Prepaid, 6 for 20c, per doz. 35c.

EXCELSIOR PEARL.—An improvement on the ordinary Pearl: produces very heavy spikes of large double flowers. Prepaid, 5c each; per dozen 50c.

Gladiolus.

These desirable bulbs should be planted in every garden. Claimed by many to be "the flower of all flowers." They contain every shade of color, from the most brilliant and gorgeous to the softest and most delicate. The immense spikes of bloom develop in the greatest perfection, if cut when the first four flowers open, and placed in water—they will last ten days.

MIXED, LARGE FLOWERING BULBS.—This mixture is composed of every color—white, pink, yellow, rose, scarlet, crimson, dark maroon, etc., beautifully marked and variegated. Prepaid, each 4c, per dozen 30c.

RED MIXED.—All shades. Prepaid, each 5c, per dozen 40c.

WHITE AND LIGHT COLORS. Prepaid, each 5c, per dozen 40c.

PINK SHADES.—Prepaid, each 5c, per doz. 40c.

YELLOW MIXED. Prepaid, each 5c, per dozen 40c.



Gladioli.

These bulbs grow about one and one-half feet high, producing flowers of the most exquisite beauty. Flowers are large, about four inches across, of singularly curious shape, and the color of each variety gorgeous and purely contrasted. Blooms from July to October.

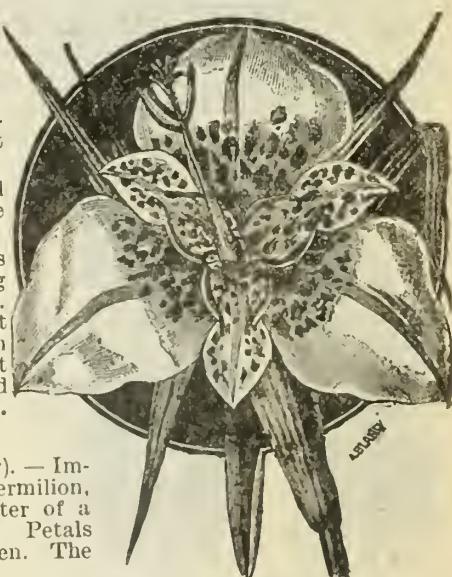
TIGRIDIA CONCHIFLORA (Mexican shell flower).—Fine dark yellow, large red spots. 5c each, 30c per dozen.

TIGRIDIA GRANDIFLORA (Peacock tiger flower).—Very large, bright 5c each, 30c per dozen.

CALADIUM ESCULENTUM (Elephant's Ear).—One of the most beautiful and striking of the ornamental-foliaged plants in cultivation. When of full-grown size, it stands about 5 feet high, with immense leaves, measuring 4 feet in length by 2½ feet in breadth; smooth, light green color, beautifully veined and variegated. Large roots 25c each. Small size 15c each.

CANNA DWARF (Madame Crozy).—Im- mense flower heads of the deepest vermillion, gold bordered. Double the diameter of a gladiolus spike. Always in bloom. Petals broad and finely rounded, foliage green. The finest canna.

Large roots 15c each.



Tigridias.

LILIES.

AURATUM.—The golden banded lily of Japan. It is decidedly the most beautiful of all lilies, and is rightly named "Queen of Lilies." The immense blooms measure nearly a foot when fully expanded. Very profuse and deliciously fragrant. Large, white petals, thickly spotted with rich chocolate-crimson, and have a bright golden-yellow band through the center of each. Succeeds well everywhere, and is perfectly hardy. Finest imported Japanese.

Large bulbs, 25c. each.

RUBRUM or ROSEUM.—One of the hardiest varieties, with flowers white and red. The red varying from a delicate rose to a bright crimson. Very fragrant and hardy. **Strong bulbs, 15c. each.**

TENUIFOLIUM.—Coral, Lily of Siberia.—Beautiful vermillion scarlet. Produces from six to twenty-five flowers per bulb. Hardy, early bloomers.

Bulbs, 20c. each.

SUPERBUM.—Flowers bright orange with yellow spots. Tall grower and fine bloomer. **10c. each.**

ALBUM SPECIOSUM.—Color pure white, with a slight rose tint on the ends of the petals. Form perfect. Petals reflexed. The fringe in the center of the flower is very long and fine, giving it an exquisite appearance. **20c. each.**

WHITE CALLA.

Richardia Aethiopica.

The Egyptian Lily or Lily of the Nile.—Will prosper anywhere if given plenty of water. An excellent plant for aquariums. Our bulbs are California grown, and are larger and better this year than ever. **20c. each.**

SPOTTED CALLA.

Richardia Alba Maculata.

Leaves spotted white. A fine summer plant. Bulbs must be kept in dry sand during the winter.

Large bulbs, 20c. each.



Spotted Calla.

Egyptian Lily.



Lilium Auratum.

SPIDER LILY.

Pancratium Carriænum.—Of easy culture. Produces freely clusters of large white flowers of delightful fragrance. They may be grown in pots, in good rich soil, and will bloom well in the house. When planted out in the summer, they should be taken up in the fall, potted, and very little or no water given until the next season. Bulbs increase in size and bloom more abundantly. It is a curious and beautiful flower.

Large flowering bulbs, 20c. each.



Spider Lily.

Bulbs and
Plants
are not sent
until
danger of frost
is over.

LEONARD'S

SELECT

Flower Seeds

NEW AND STANDARD VARIETIES.

The following are the choicest strains and most popular sorts. While they are not all annuals, they will bloom the first season, some, of course, being planted somewhat earlier than others. Those not wishing to hold plants over during the winter, will have just as pretty gardens growing plants from seeds. While our list may not be as large as some others, we have aimed to have only the very best and most reliable.

Our Prices are Lower than any others for Quality and Quantity given. Full directions for Sowing printed on each package. All Flower Seeds Free by Mail at Catalogue Price.

ABRONIA.

Beautiful trailing plants with pretty verbena-like flowers. Sweet scented, 12 inches.

Abromia Umbellata — Rosy-lilac, white eyes.

ADONIS.

(Flor Adonis.)

Also known as Pheasant's eye. Showy, hardy annuals of easy culture. Foliage pretty finely cut. Last a long time in bloom. Dark-crimson flowers, with a light center. 1 foot.

AGERATUM.

Blooms almost constantly. Is of the easiest culture, fine for cut-flowers.

Ageratum Mexicanum — Lavender blue.

AMARANTHUS.

Showy blooming plants, have curious flowers. Brilliant foliage.

Amaranthus Cruentus — (Prince's Feather). Crimson, very ornamental, 3 feet.

Caudatus — (Love Lies Bleeding). Red drooping panicles of flowers.

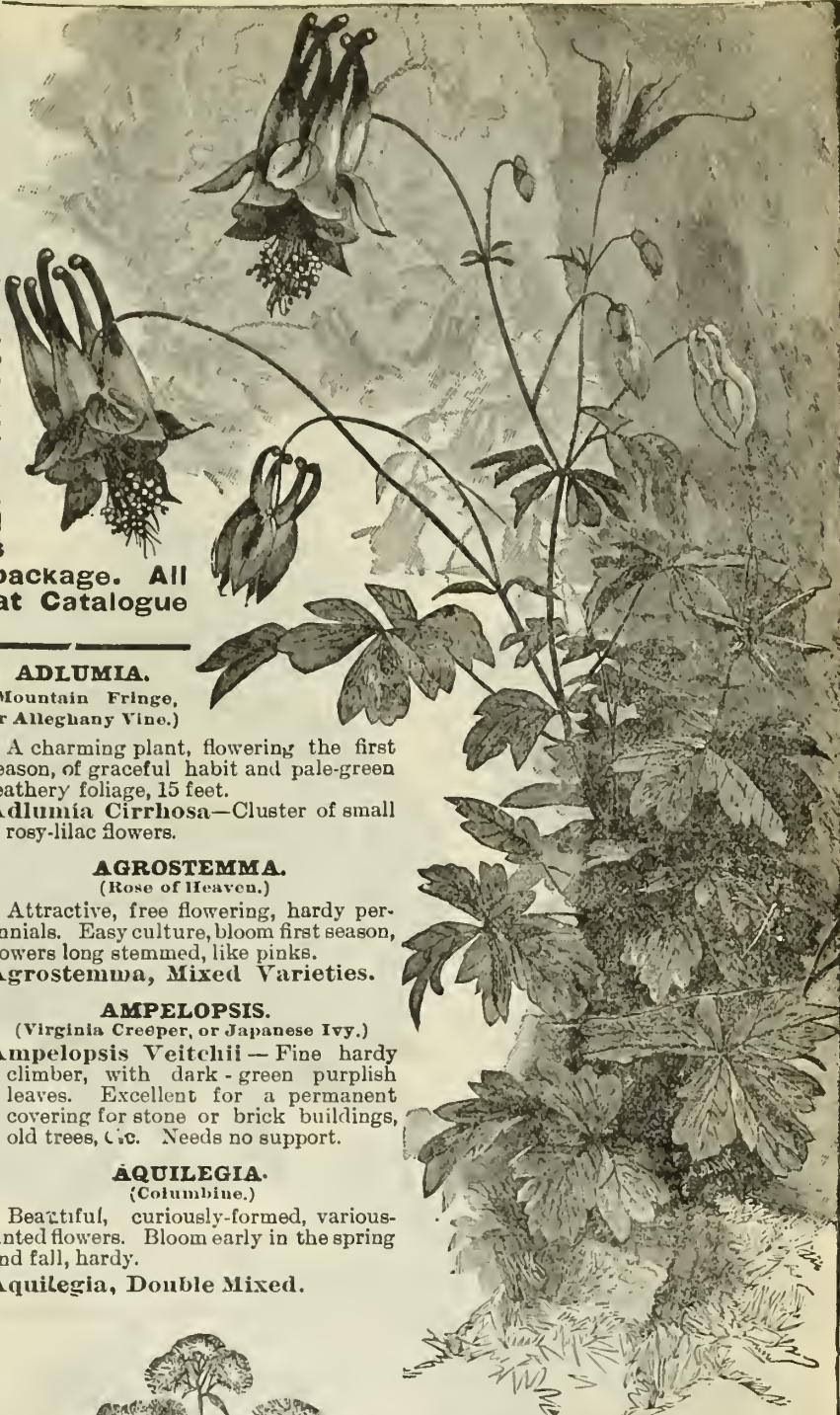
Tricolor — (Joseph's Coat). Scarlet, yellow and green foliage.

AMMOBIUM.

A small, but pretty, white flower. One of the hardiest of everlastings.

Alatum Grandiflorum — Pure white.

Any Variety of Flower Seed 5 cents per Packet, except where noted.

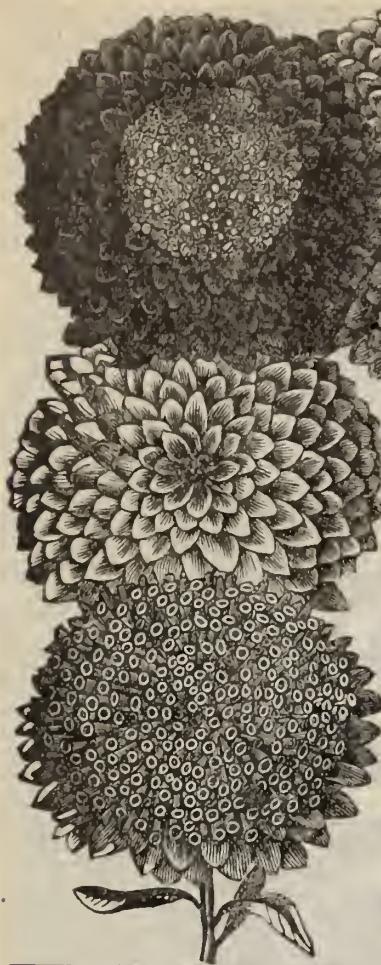


AGROSTEMMA.

AGERATUM.

ADONIS.

AQUILEGIA — Columbine.



ALYSSUM.

Delicate white flowers of exquisite fragrance. Very free bloomers. Useful for cut flowers. Suitable for beds, borders, etc.

Sweet Alyssum—Flowers white; one foot.

Little Gem—Compact spreading growth. Only three to four inches high, but will cover a circle of fourteen inches. Bloom very quickly from seed. Pure white, and fragrant. More than four hundred spikes of flowers have been counted on a single plant at one time.

Saxatile Compactum—Flowers yellow. Hardy perennial.

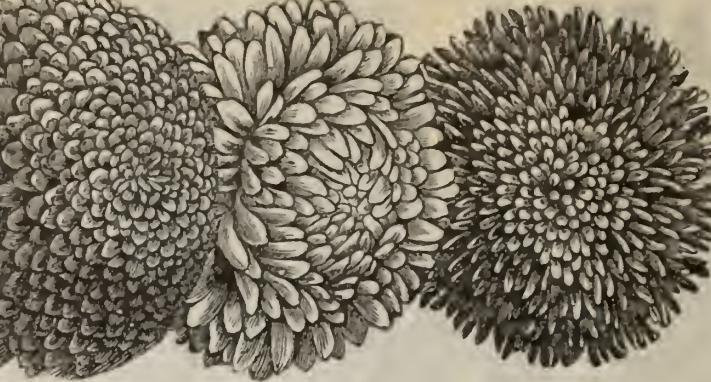


ALYSSUM.

AURICULA.
A dwarf-growing and pretty plant, bearing umbels of fragrant flowers of many rich and beautiful colors.
Auricula Mixed—Very fine colors. Pkt. 10c.



AURICULA.



ASTERS.

One of the most popular, pleasing, and prettiest of annuals. Admirably adapted to any climate. Our seed this year is exceptionally fine. Seed is saved from the most perfect blossoms and truest types. Can not be excelled. These flowers are growing more popular every year, and the newer strains are exceptionally fine. Every one should have a bed of asters.

Washington—The largest aster. From four to five inches in diameter, and of perfect form. All colors mixed.

Goliath—Flowers of enormous dimensions, and of perfect form. All colors mixed.

German, **Fine Mixed**—Very double, and of fine form. When not quite in full bloom resemble a ball.

China, **Fine Mixed**—Tall, branched variety, with large, double flowers.

Betteridge's Quilled—Flowers composed of tube or quill-shaped petals. Double flowers. All colors mixed.

IMPROVED VICTORIA.

Flowers large. A beautiful strain. Flowers imbricated, and the petals overlap. Each plant carries from twenty to thirty flowers. We have grown some of the most perfect asters and can offer the following colors: Pink, crimson, purple, light-blue, pure white, or all colors mixed.

ANTIRRHINUM.

Tall, Mixed—All colors.

Tom Thumb, Mixed.

ALONSOA.

(Mask Flower.)

Handsome, brilliant, free-flowering plants. Thrive anywhere.

Alonsoa Grandiflora—All colors.

ASPERULA.

Hardy dwarf annual, profuse bloomer. Clusters of small, sweet-scented flowers. The dried flowers leave a fine perfume.

Odorata (Sweet Woodruff).

ANACALLIS.

(Pimpernelle.)

Dwarf compact plants. Adapted for baskets, edgings, small beds, etc. Succeeds best in a sunny situation.

Anagallis, Mixed—All colors.

All Flower Seeds, 5c per pkt., except where noted.



ANAGALLIS.



BRACHYCOME.

BARTONIA.

Large golden flowers, expanding in the middle of the day.

Bartonia Aurea—Golden.

BALLOON VINE.

A curious annual.

Balloon Vine (*Cardiospermum*)—Flowers white.

CACALIA.

(Tassel Flower.)

Very pretty plants with small, tassel-like flowers.

Cacalia, Mixed—All colors.

CAMPANULA.

(Canterbury Bell.)

Well-known, hardy, herbaceous perennials, bearing a great profusion of attractive flowers.

Campanula Media.

—Single Mixed.

—Double Mixed.

CATCH FLY.

Small flowers; red, white, rose. A sticky moisture on the plant sometimes entraps flies; hence the name.

Catch Fly (*Silene Armenia*).

CUPHEA.

(Lady's Cigar Plant.)

Tubular flowers, red, very pretty.

Cuphea, Mixed—Free flowering.



NEW DWARF
CANNA.
LARGE
FLOWERING.

All Flower Seeds 50
per Packet, unless
otherwise noted.

CANDYTUFT.

Universally known and cultivated, and considered indispensable for cutting. Hardy and easy to cultivate.

Candytuft, Empress or Snow Queen—A complete mass of pure white flowers, borne on a candelabra-shaped plant. Very large trusses.

White Rocket.
Mixed Colors.

CLARKIA.

Old favorite, hardy annual.

Clarkia, Double Mixed.

BALSAM.

(Lady's Slipper.)

Old and well-known favorites with everyone, owing to their gorgeous masses and beautiful, brilliant-colored flowers. Our seeds are very double and select.

Balsam, Double Camellia Flowered.

—Perfection Double White, large and perfect.

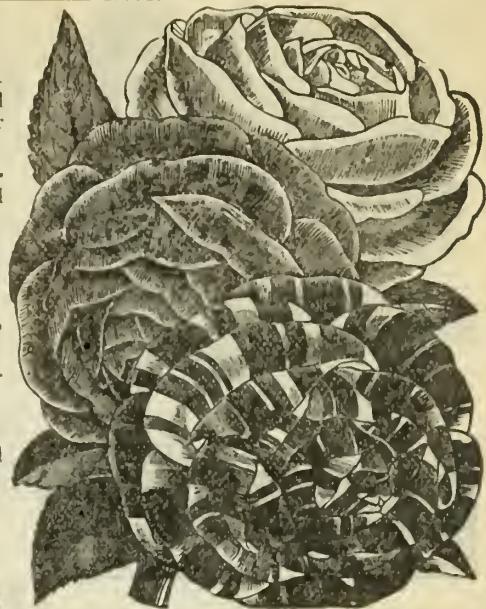
—Solférino, striped with scarlet or lilac.

—Red Shades, light and dark.

—All Colors Mixed.

Any variety of Camellia Flowered, 10c pkt.

Double Mixed—All colors and varieties.



BALSAM.

CANNA.

Highly ornamental, producing a rich effect by their large, massive foliage and gorgeous orange, crimson and yellow flowers.

Crozy's Large-Flowering Dwarf French, Finest Mixed—Comprising all the newest and most beautiful varieties.

Choice Mixed—Old sorts.

CARNATION.

Marguerite, Mixed—These carnations have created a universal sensation, not only on account of their beautiful colors, but, unlike all others, they bloom in about four months from sowing the seed. Bloom until checked by frost. Fully eighty per cent are double, and embrace a fine range of brilliant colors. Plants are neat, dwarf-branching and compact. Pkt. 10c

Fine Double, Mixed—The best for garden culture.



MARGARET CARNATION.



CANDYTUFT—NEW EMPRESS.



COLEUS.

Richly colored foliage plants. For groups on lawns or ribboning they are indispensable. Coleus Hybrids—All colors. Packet, 25c.



Ceome Pungens—A showy plant from 3 to 4 feet high, producing singular-looking rose-colored flowers. The stamens look like spider's legs, and the appearance is very attractive.



CENTAUREA CYANUS—Double Flowered.

CHRYSANTHEMUM.

Showy and effective garden favorites; extensively grown for cut flowers; beautiful large flowers of many rich colors; for bouquets, vases, etc., the flowers are very attractive.

Coronarium—Double White.

—Double Yellow.

—Venustum—Crimson center, white band, very handsome.

All Colors, Mixed.

CASTOR OIL BEAN.

(See *Ricinus*.)

CANARY BIRD FLOWER.

Beautiful rapid-growing climber, bearing little canary-colored blossoms, bearing a faulched resemblance to a bird with its wings half expanded. Blooms all summer.

Tropaeolum Canaricense—Canary-bird flower.

CUCUMIS.

Very rapid and luxuriant growers. Extremely ornamental and picturesque for its fruit and foliage.

Cucumis Flexuosus (Snake Cucumber)—Fruit, 3 feet long.

Wild Cucumber—The quickest growing climber. Sturdy growth and handsome appearance.

COLUMBINE.

(See *Aquilegia*.)

CLINTONIA.

Charming, neat little plants, producing a fine effect for edgings, rock work or rustic baskets.

Clintonia—All colors, mixed.

CENTAUREA CYANUS.

Ragged Sailor Corn Flower or Blue Bottle—Great favorite with all. The new double flowers are of large size, filled to the center with florets, forming handsome globular flower heads. Our seed is very fine, containing any number of colors. Fine for cut flowers.

Centaurea Cyanus—Mixed. New double flowered.

CALLIOPSIS OR COREOPSIS.

Large bright flowers. Blooms all summer. Fine for cutting. Also called Bright Eyes.

Calliopsis, Golden Wave—Very compact bushy plants, covered with hundreds of bright-yellow blossoms, 2 inches across.

Mixed—All colors.

ALL
KINDS
OF
FLOWER
SEEDS
5c PER
PACKET
UNLESS
NOTED
Differently.



CALLIOPSIS, GOLDEN WAVE.



CALENDULA ORIOLE.

CALENDULA.

This has been a favorite for many years. Blooms from June until frost. If potted in the fall, and placed in a sunny window, will bloom all winter.

Calendula Meteor—Double, beautifully striped.

—Oriole—The best Calendula known, extra-large double flowers, are indescribable, rich and glowing in tone, bright golden yellow, wonderfully free flowering.

All Colors, Mixed.

CYPRESS VINE.

Among our most beautiful climbing plants, dark green, very graceful, fern-like foliage, thickly studded with brilliant starry flowers.

Cypress, Mixed—All colors, including new and attractive varieties.

CELOSIA OR COCKSCOMB.

Free blooming, graceful plants, producing spikes of beautiful comb-shaped flowers.

Cockscomb, Dwarf—
—Mixed. All colors.

President Thiers—
A very dwarf variety, with intense crimson flowers. The combs are large, ruffled, dark crimson, some measuring 17 inches across.

Packet, 10c.



CELOSIA PRES. THIERS

COBÆA.

One of our most beautiful annual climbers. Grow from 20 to 30 feet high. Very desirable on account of its large size, rapid growth, fine foliage, and large bell-shaped flowers.

Cobæa Scandens—Large bell-shaped purple flowers. Flowers the first season.



COBÆA



MORNING GLORY.



CONVOLVULUS MAJOR.

The old Morning Glory is the best known and most popular climber that we possess. Growth is rapid and strong.

Morning Glory Mixed—All colors.

CONVOLVULUS MINOR.

Rich colored, handsome dwarf trailing plants, producing in bed a most brilliant effect.

Dwarf Morning Glory—All colors mixed.

DIGITALIS.

(Foxglove.)

Handsome plants of stately growth, especially adapted for shrubberies, hardy perennial. Mixed Colors.

DOLICHOS.

(Hyacinth Bean.)

Beautiful, fragrant climbing plants, of rapid growth, flowering in clusters. Dolichos Lablab—Purple. Very fragrant.

EVERLASTINGS.

We have a fine mixture of all varieties. Beautiful for winter bouquets, etc. The dried flowers make pretty decorations in winter.

All Varieties Mixed.

EUPHORBIA.

(Snow on the Mountain.)

Euphorbia Variegata—Folage is beautifully veined and margined with white.

ESCHSCHOLTZIA.

(California Poppy.)

Very attractive plants for beds, edgings or masses. Very profuse in flowering, and foliage finely. Bloom from June till frost. Hardy annuals, one foot high.

Eschscholtzia Mixed—All colors, choice and bright.



ESCHSCHOLTZIA.

ALL
VARIETIES
OF FLOWER
SEEDS
5 CENTS
PER
PACKET
EXCEPT
WHERE
NOTED
OTHER-
WISE.



DIANTHUS HEDDEWIGII, fl. pl.
(Double Japan Pink.)

DIANTHUS OR PINKS.

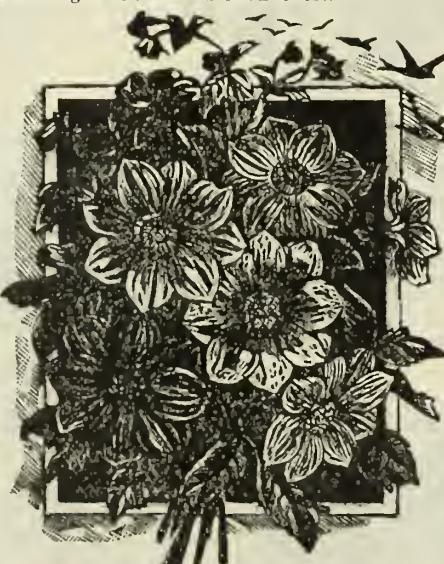
Embraces some of the most popular flowers in cultivation, producing a great variety of brilliant colors and profusion of bloom. Very fragrant, of easy culture, and flowers the first season.

Double Annual Varieties.

Chinensis fl. pl., Mixed.—China or Indian Pink. Very double, all colors.

Laciniatus Mixed.—Finest fringed sorts.

Heddewigii—Handsome, velvety; all colors. fl. pl., Mixed.—A double variety of the preceding flowers, from 2 to 3 inches in diameter, colors varying from the highest velvety crimson to the most delicate rose. (See cut.) Pkt. 5c.



DAHLIA GRACILIS.

DAHLIA.

Plants grown from seed will produce quite perfect flowers the first season. Start seeds early and you will have as good satisfaction as if bulbs were planted.

Fine Double Mixed—Extra, very choice.

Single Mixed—Very beautiful and brilliant.

Gracilis—The Queen of Single Dahlias. Brightest colors, striped and blotched in a most grotesque manner.

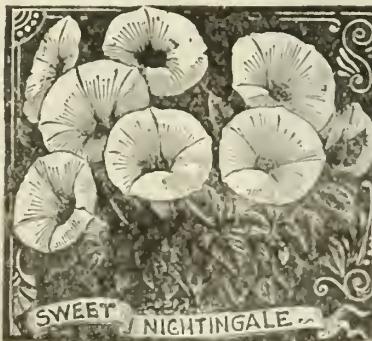
DATURA.

(Angels' Trumpet.)

The Datura or Ghost Flower is a most interesting plant. It grows several feet high, and branches freely, producing trumpet-shaped flowers a foot or more in length.

Fastuosa—All double. Mixed colors.

Sweet Nightingale—Flowers immense, pure white, fragrant. Free bloomer.



DIANTHUS CHINENSIS.

DAISY.

A favorite plant for beds or pot culture. Easily raised from seeds the first season.

Daisy, Double Mixed—Very double and fine.



DOUBLE DAISY.



Cosmos, New Mammoth Hybrids

~~Well~~ CINERARIA. ~~Well~~

As will be seen by the illustration from a single plant, the Cineraria is a wonder for wealth of bloom and symmetry of form. The plants grow about as broad as they are high—averaging fifteen inches—perfectly circular in shape, and entirely covered with brilliant blossoms. The rich and vivid colors range through all shades of light and bright blue, to royal plum purple, and from shining crimson to deep maroon. Most of the varieties have a well-defined white eye, while the flowers are sharply margined with some high contrasting color. For exhibiting at fairs or flower shows Cinerarias are unsurpassed for attractiveness. As the seed is easily started, and the plants readily grow in good, ordinary soil, no collection of house plants should be without Cinerarias.

Hybrida, large-flowering, finest mixed—Flowers measuring two inches across. Per pkt. 25c.



Giant Imperial Japanese Morning Glories.

COSMOS

New Mammoth Hybrids

Some of the flowers in this new strain measure five inches across; some flowers are as round as a cart wheel, with broadly overlapping petals. Some have petals as smooth and flat and waxy as a Camellia; others are pleated and frilled at the edges, others toothed and fringed. Some have only five petals, forming a perfect star. But the great charm of these new Cosmos is the wonderful diversity of colors, shades and marking, entirely unique in Cosmos.

Mixed Colors, per packet, 5c.
White Pearl, per packet, 5c.

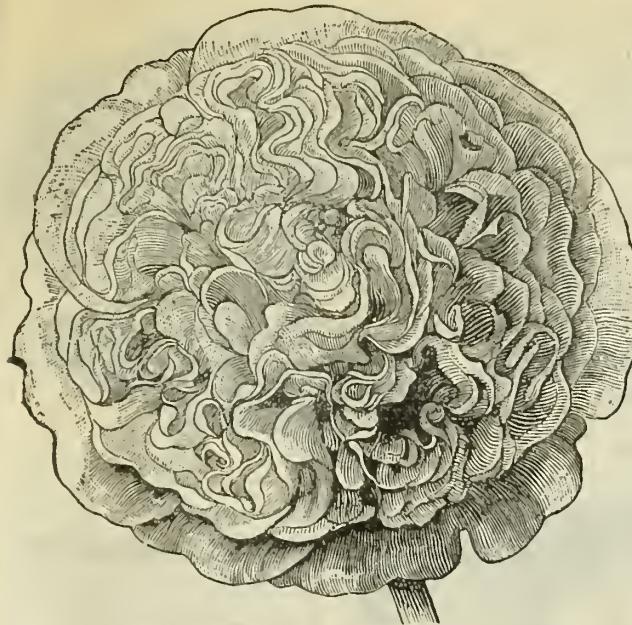
Echinocystis Lobata (Climbing Wild Cucumber)—A rapid, luxuriant-growing annual climber very useful for quick effects. 30 to 50 feet. Pkt. 5c, oz. 10c.



Cineraria.

Giant Imperial Japanese Morning Glories

The flowers of these Morning Glories are double the size of the ordinary Morning Glory, running from four to six inches across. The vines are strong and robust, growing from 30 to 50 feet high during the season. The leaves are heart-shaped. Some vines have dark green foliage, others have silvery leaves or yellow. Some leaves are mottled dark green, white and gray. The chief beauty, however, is not their leaves or gigantic size, but the beautiful coloring of the large flowers. The colors, shadings and markings are numberless. Some flowers are deep, rich and velvety, others are daintily tinted and shaded. The solid colors range through all the shades of red, from soft rose to crimson and maroon; from light to deep blue indigo and blackish purple; from snow white to cream and silver gray. Some are striped, starred and spotted, or edged with the brightest contrasting colors. Sow early in a warm, sunny place in good, rich soil. Single and double, all colors, mixed. Per pkt. 10c.



LEONARD'S MAMMOTH HOLLYHOCK.

CODETIA.

An attractive, hardy annual, that deserves to be cultivated more extensively. Bear showy flowers of rich and varied colors.

Godetia Mixed.—All colors.

CYPSOPHILA.

Pretty, free-flowering, elegant plants, for baskets, edgings, etc.

Gypsophila Paniculata.—White flowers.

HELICHRYSUM

Exceedingly effective, double flowers, making a fine display. Succeed in any rich garden soil. The best everlasting flowers.

Helichrysum Mixed.—Large double, all colors, white, red, yellow, etc.

HELICHRYSUM.**CILIA.**

Very dwarf plants, early, free blooming, fine for massing or rock work.

Gilia Mixed.—All colors.

CAILLARDIA.

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers. Bloom all summer.

Gaillardia Picta.—Mixed, all colors.

Picta Lorenziana.—New double; succeeds well everywhere, large double flowers, embracing all colors.



GAILLARDIA LORENZIANA.

HOLLYHOCK.

An old popular favorite; flowers form perfect rosettes of the most lovely shades of yellow, crimson, rose-pink, white, etc.

Hollyhock, Double White.—Large pure white, perfect.

Double Yellow.—Buff, straw, and orange shades.

Bright Red.—Double.

Bright Pink.—Double.

Extra Double, Mixed.

**LEONARD'S MAMMOTH.**

We have a superfine strain of Hollyhock. They are grand types of fine colors and most double and large. The spikes are extraordinarily large and fine. Any of the foregoing sorts, 10c per packet.

Hollyhock.—Extra choice, mixed, all colors.

COURDS.

Interesting climbers, producing a great variety of curious fruit; fruit is hard-shelled, exciting much attention.

Luffa.—[*Dish-Rag, or Bonnet Gourd.*] A natural and desirable dish-cloth is furnished by the peculiar lining of the fruit, which is sponge-like, porous, very tough, elastic, and durable. Many prefer this dish-cloth to any.

Dipper.—Easily prepared to use as dippers, and last for years, with a capacity of a pint to one and a half quarts.

Hercules Club.—Club shaped, 4 feet long.
Striped Apple.—Small, yellow, beautifully striped.
Pear-Shaped.—Striped, very showy.
Sugar Trough, or Sap Bucket.

WHITE EGG.

This variety makes fine nest eggs, as they are the exact size and shape of an egg. Fine climber.



White Egg.

CERANIUM.

Plants raised from seed sown early in the spring are decorative in summer. The gorgeous flowers are produced all summer, and for bedding or house culture they are very popular.

Geranium Zonale, Mixed.—All colors. Pkt. 10c.
Double, Mixed.—This mixture contains a greater per cent of double flowers than any strain. Flowers large and the colors are very choice. Pkt. 25c.

**FORGET-ME-NOT.****FORGET-ME-NOT.**
(*Myosotis.*)

Neat and beautiful little plants, with pretty, star-like flowers. Succeed best in a moist, shady place. Bloom first year, if sown early.

Myosotis Palustris.—True blue.

ALL VARIETIES OF FLOWER SEED
5 CENTS PER PACKET, UNLESS
NOTED OTHERWISE.



GOURDS, DIPPER.



GERANIUM.



LINUM.

LINUM.

(Flowering Flax.)

Linum Grandiflorum
Coccineum—One of the handsomest annuals ever introduced. For brilliancy of color and duration of bloom it is unsurpassed.

KAULFUSSIA.

Desirable compact dwarf free-flowering plants, resembling single Asters.

Kaulfussia, Mixed—All colors.

LAVENDER.

This plant is much prized for the delicious fragrance of its violet flowers.

Lavender—Fragrant.

LARKSPUR.

Larkspur, Dwarf German Rocket—All colors mixed.

Perennial—All colors mixed.

LUPINUS.

(Sun Dials.)

Free-flowering, easily grown plants, with long spikes of rich and varied colored pea-shaped flowers.

Lupinus, Mixed Annual.

LYCHNIS.

Handsome plants of easy growing in any rich garden soil. The first year if sown early.

Lychnis, Mixed—All colors.

MAURANDIA.

These beautiful climbers can not be too highly recommended. Blooms the first season from seed.

Maurandia, Mixed—All colors.

MIMULUS.

(Monkey Flower.)

Grow finely in damp, shady places. A great variety of colors.

Mimulus—Fine mixed spotted varieties.

Muschatus—(Musk Plant.)

Fine for hanging-baskets, etc. Small yellow flowers, fragrant foliage.

MOMORDICA.

(Balsam Apple.)

Momordica Balsamina—

Trailing plants. Curious ornamental foliage and remarkable fruits.

All Flower Seeds 5c per packet, except where noted.

HELIOTROPE.

Deliciously fragrant flowering plants. Fine for pot or garden culture. Succeeds in any rich garden soil. Bloom almost constantly.

Heliotrope, Mixed—
Pkt. 10c.

HELIANTHUS.

(Sunflower.)

Remarkable for stately growth, size and brilliancy of flowers. The seed is good for feeding poultry.

Helianthus Globosus
Fistulosus—Flowers large, double, globular, and of a rich saffron color.

Mammoth Russia—
Large single.



HELIOTROPE.

HIBISCUS—CRIMSON EYE.

Flowers immense in size, often measuring twenty inches in circumference. The color is of the purest white, with a large spot of deep, velvety crimson in the center of each flower. A striking combination of color. It is a robust grower, with dark red stems and foliage. It will succeed anywhere. A well-developed plant will produce several hundred of these flowers in a season. Blooms the first season from seed. The root is semi-tuberous. Always comes true from seed. Seed, per pkt. 5c, strong plants, 25c each.



HIBISCUS—CRIMSON EYE.

IPOMAEA.

Ipomoea Bona Nox (Evening Glory)—Beautiful white, very large blossoms, which expand in the evening.

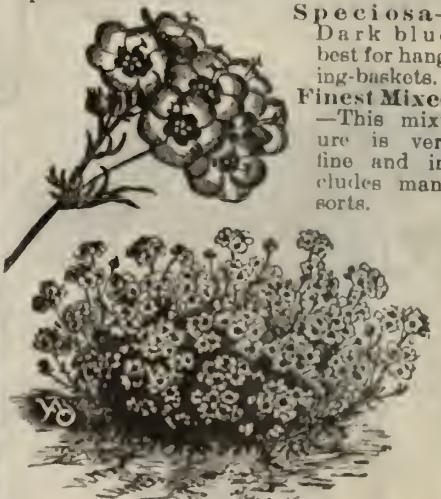
Grandiflora (Hybrid Moon Flower)—White seeded variety. This variety grows much larger than the black seeded, and produces blossoms fully an inch larger in diameter, of a pure white color, firm in texture and very fragrant. Flowers are magnificent. Handsome and very free bloomer. Pkt. 10c.



MOON FLOWER.



LYCHNIS.



LOBELIA.

Speciosa—Dark blue, best for hanging-baskets.

Finest Mixed—This mixture is very fine and includes many sorts.

STATELY PALMS.

As decorative plants for the house, many species of Palms are rarely prized. Happily those species which will thrive in ordinary heat and with the least care are among the handsomest and most desirable of the genus. They will do well at a window where there is little or no direct sunshine. This peculiarity makes these plants adapted to places quite unsuited to ordinary house-plants. A regular, but not excessive, supply of water and a fair light are all the plants demand during the cool season. In summer a more liberal watering is required. The soil should be a substantial fibrous loam, with a small quantity of well-rotted manure. A daily syringing of the leaves is an advantage, but in winter once a week is sufficient. If in a living room with dry furnace heat, daily syringing or spraying the leaves is advisable. Those varieties that are hardy enough to bear planting out on the lawn during warm weather are sure to command attention.

CHAMÆROPS HUMILIS (Dwarf Fan Palm).—The most hardy and dwarf of its species, seldom attaining over eight or ten feet in height. **Pkt. 10c.**

CHAMÆROPS EXCELSA is a green-house variety in our climate. As a lawn plant in our Southern States, nothing could be more conspicuously attractive. A well grown specimen will attain the height of 25 or 30 feet. **Pkt. 10c.**

MARIGOLDS.

Old-time garden favorites. Everybody knows Marigolds, and as they are the easiest grown annuals, are general favorites. Their odor is perhaps not agreeable to everyone, but this little defect is largely compensated for by the beauty of both flowers and plants, the long duration and usefulness of their blossoms. The foliage is always green and handsome, even during the hottest months; insects will rarely ever attack them; they are always in bloom. The colors are of the brightest rich golden-yellow, a shade by no means common amongst flowers, lemon-yellow, orange and brown. The flowers of the tall sorts are of immense size, often attaining a circumference of twelve inches and over, and are as double as a rose.

EL DORADO.—Flowers very large, petals imbricated and extremely double. Flowers in all shades of yellow, from the palest primrose to the deepest orange.

LARGE AFRICAN—Tall, double; orange, brown and yellow.

DWARF FRENCH.—Fine colors, mixed, double.

Marvel of Peru.

(Four o'Clocks).

Handsome free-flowering garden favorites. Blooms the first season.

MARVEL OF PERU. **Mixed.**—Beautiful new colors.

MORNING GLORY—(See Convolvulus.)

MOURNING BRIDE—(See Scabiosa.)

MIMOSA—(See Sensitive Plant.)

MYOSOTIS—(See Forget-Me-Not.)



PALM,
CHAMÆROPS EXCELSA.

MIGNONETTE.

This deliciously fragrant flowering plant is the most popular annual grown. Mignonette does best in as cool a situation as possible. When exposed to the full force of summer heat it begins to form seeds, sometimes before the spikes are fully grown; even our new large-flowering varieties, under such conditions, would not develop their marked improvements.

MIGNONETTE, Sweet Scented.—(Odorata.) The old variety.

DWARF COMPACT.—A dwarf robust variety, covered with large spikes of reddish tinted flowers.

IMPROVED GOLDEN QUEEN.—A mass of golden yellow when in bloom. Attractive, and forms an immense pyramid. Large yellow spikes. Very fragrant.

MACHET.—The finest sort. Strong, bushy grower, bearing spikes in great number, brick-red color. Large, beautiful and very fragrant. Fine for pot culture.



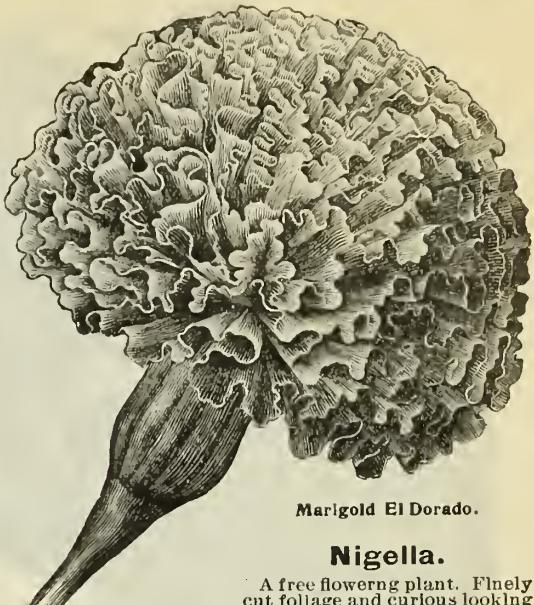
Marvel of Peru.



Dwarf Compact.



Machet.



Marigold El Dorado.

Nigella.

A free flowering plant. Finely cut foliage and curious looking flowers. Also called "Love in a Mist," or "Devil in the Bush."

NIGELLA DAMASCENA. Double blue and white mixed.

Nemophila.

Neat compact habit. Blooms freely all summer.

NEMOPHILA.—Mixed varieties. Beautiful colors.

Oxalis.

Brilliant flowers and dark foliage. Nice for rock work, rustic baskets, etc.

OXALIS MIXED.—All colors.

Any Variety of
**FLOWER
SEEDS,**
Except where Noted
Differently,
5c. Per Packet.



NASTURTIUMS.

These popular annuals do well anywhere, even in the very poorest soil. Pansies, Sweet Peas and Nasturtiums now seem to be the leading favorites, and much attention has been given to producing new and finer strains this past season. Few flowers are so gorgeous and brilliant as Nasturtiums, and in addition to their use in the garden or on trellises, we would recommend planting seed freely along fences, hedges, &c., or wherever it is desired to have bright colors in profusion. Fine for cut flowers for vases, &c.

TOM THUMB NASTURTIUMS.

The improved Dwarf or Tom Thumb Nasturtiums are unrivaled for beauty and effect. They form compact plants not over a foot from early summer until killed by frost. Succeeding under all weathers and conditions and unsurpassed for garden purposes. Plant the seed freely anywhere.

Aurora.	Salmon-rose, mottled blush white, garnet blotches.	pr. pkt. 5c, oz. 20c.
Beauty.	Light scarlet, splashed canary.	" "
Brilliant.	This new variety is a handsome scarlet—a rich, glistening shade—that is well set off by a dark foliage.	" "
Bronze Color.	Of a burnished coppery bronze.	" "
Chameleon.	Splashed crimson, bronze and yellow.	" "
Cloth of Gold.	Golden yellow foliage, light scarlet flowers	" "
Coccineum.	Bright light scarlet.	" "
Crystal Palace Gem.	Sulphur, spotted maroon.	" "
Empress of India.	Brilliant crimson, dark foliage.	" "
Golden King.	Grand flowers, 3 inches across; deep golden yellow, maroon blotches.	" "
King of Tom Thumbs.	Crimson.	" "
King Theodore.	Dark scarlet maroon, dark foliage.	" "
Lady Bird.	Ground color is a rich golden yellow, each petal barred with a broad vein of ruby crimson.	" "
Luteum.	Light yellow, no blotches.	" "
Principe Henry.	Cream color, spotted scarlet and tipped with wine-red.	" "
Pearl.	White.	" "
Rose.		" "
Ruby King.	Light ruby red.	" "
Spotted.	Deep orange, crimson blotches.	" "
Terra Cotta Color.	Novel, new and effective.	" "

Leonard's Special Mixture of Dwarf, or Tom Thumb Varieties, comprises all the new and special sorts, per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00

TALL, OR CLIMBING NASTURTIUMS.

Few flowers, either as climbing vines or trailing on the ground, are more attractive and bright than the common Tall Nasturtiums. We offer the finest varieties. A farm or rural home can hardly have too many Nasturtiums, and we recommend buying the seed by the ounce.

Atropurpureum.	Rich velvety crimson.	pr. pkt. 5c, oz. 20c.
Coccineum.	Bright orange scarlet.	" "
Dunnnett's Orange.	Rich golden orange, garnet blotches.	" "
Flammum.	Scarlet, flamed purple.	" "
Helmanni.	Silky bronze chocolate.	" "
King Theodore.	Velvety dark crimson, dark foliage.	" "
Luteum.	Pure rich yellow, no blotches.	" "
Pearl.	Cream white.	" "
Regelianum.	Purple violet.	" "
Schuerianum.	Straw color, splashed crimson, garnet blotches.	" "
Schillingi.	Bright yellow, maroon blotches.	" "
Tall Rose.		" "

Leonard's Special Mixture of Tall Nasturtiums, per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

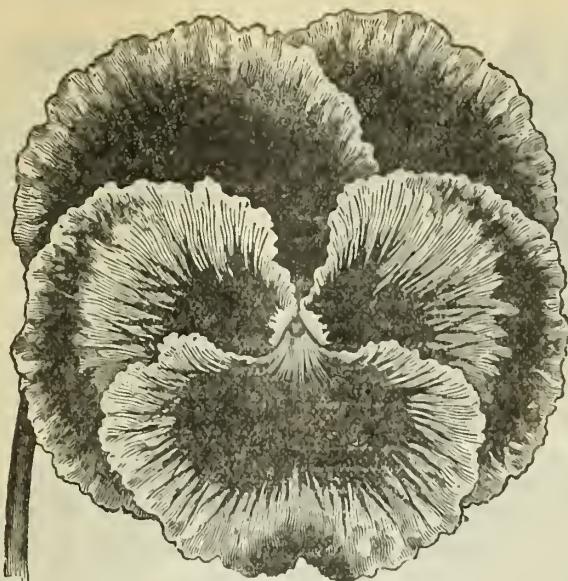
CLIMBING NASTURTIUM, MADAM GUNTER'S HYBRIDS.

The new Hybrids of Madam Gunter make a strong growth, climbing from five to six feet high, and are covered from spring to fall with large, substantial flowers of the most brilliant shades. They are remarkable for their wide range of colors, embracing rose, pink, salmon, purple, velvety dark maroon, light yellow, and deep orange in self colors, as well as striped and blotched in the most fanciful manner. So ornamental is this new strain that it deserves a place in every garden, either for climbing or trailing from vases, or over the ground.

Per pkt. 10c.

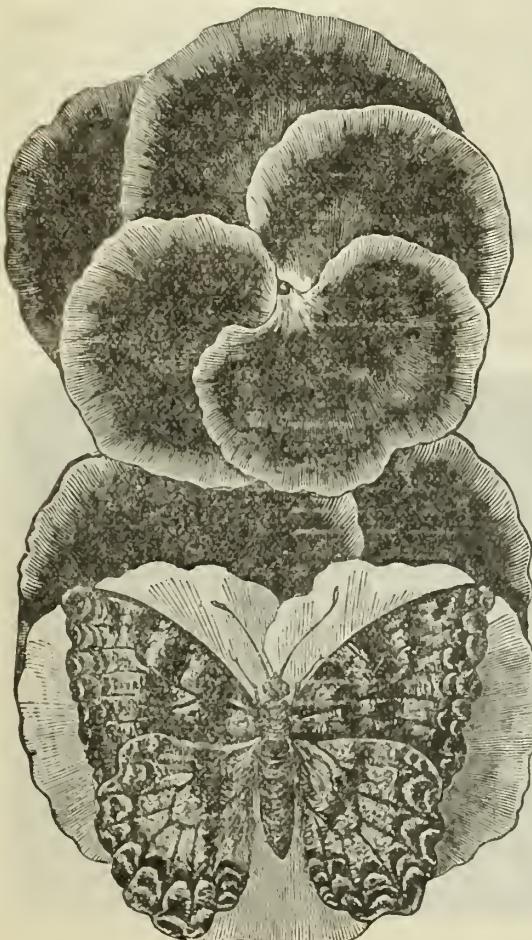


Madam Gunter's Nasturtiums.



Leonard's Giant Five Spotted Pansy.

PEACOCK PANSIES.—A very fine pansy of striking colors. Form and substance perfect. Upper petals are ultramarine blue, resembling in shade the peacock feathers. Lateral and lower petals are of a deep claret, margined white. **Pkt. 10c.**



Leonard's Giant Butterfly.

⌘ PANSIES ⌈

THE UNIVERSAL FAVORITES.

Every lover of flowers knows and cultivates Pansies. We have the best strains of this attractive flower. Large, perfect blossoms and truest types of colors.

Leonard's Special Strain of Giant Five-Spotted Pansy.

Enormous sized Pansies of rich velvety texture. Every one is different, and all are distinctly marked with rich and varied shades and colorings. These Pansies are the most perfectly formed of any we have ever seen. Flowers are carried on good strong stems, and are of good substance. Their robust growth makes them a general favorite. Every lover of Pansies should try this strain. **Pkt. 15c.**

LEONARD'S GIANT PRIZE MIXED PANSIES.—Largest prize varieties. Grand rich velvety colors. Perfect in form and of all colors. **Pkt. 10c.**

RED VICTORIA PANSIES.—The best red Pansy. It is a beautiful, rich, deep red color throughout. Large, velvety and of fine form. **Pkt. 10c.**

GIANT BROWN.—All shades of this color. **Pkt. 10c.**

GIANT BLUE.—All shades of light and dark blue. **Pkt. 10c.**

GIANT YELLOW.—From the lightest yellow to the deepest old-gold. **Pkt. 10c.**

GIANT PURPLE.—Rich velvety. **Pkt. 10c.**

GIANT SNOW QUEEN (*Candidissima*).—Very large, satiny, pure white. Fine for bouquets or cemetery use. **Pkt. 10c.**

GIANT EMPEROR WILLIAM.—Large handsome flowers, borne in great profusion well above foliage. Brilliant ultramarine blue, with a purple violet eye. **Pkt. 10c.**

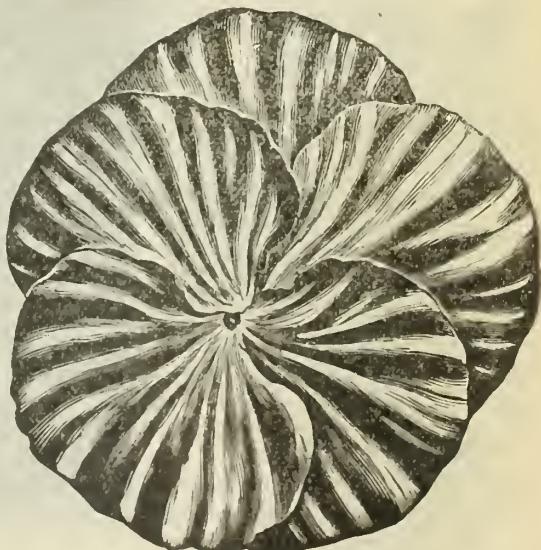
FINE MIXED.—A very good strain in a great variety of colors. **Pkt. 5c.**

Imperial German Pansies.

The Imperial German Pansies are famous for their almost endless variety of charming shades of color, united with large size and perfect form of flowers. They embrace all the solid or self colors; delicately shaded flowers; five-spotted and three-spotted; edged or bordered flowers of various colors, each with a distinct rim of white, yellow, or blue; dark and light marbled varieties; flowers with clear, distinct eyes; striped flowers of striking beauty, and vividly colored fancy varieties, blotched, veined, marbled, and margined. **Pkt. 10c.**

GIANT FANCY STRIPED.

Enormous flowers, brilliantly flamed and striped, in many colors. **Pkt. 10c.**



Giant Striped.

LEONARD'S GIANT BUTTERFLY.—This strain is beautifully marked and blotched. Large, fine form, and of endless colors. **Pkt. 10c.**

GIANT RED.—Bright coppery shades. **Pkt. 10c.**

GIANT MAHOGANY.—A velvety reddish brown. **Pkt. 10c.**

GIANT UNCLE TOM.—Finest black. Deep jet, very velvety and large. **Pkt. 10c.**

GIANT LORD BEACONSFIELD.—Flowers deep purple-violet, shading to white at the upper petals. **Pkt. 10c.**

TRIMARDEAU GIANT.—The largest of all the Pansies. The blossoms are simply enormous, perfect in form and run through all the varieties of colors, from the lightest shade to the darkest purple. Marked with three large blotches. **Pkt. 10c.**

GIANT ODIER.—Handsome blossoms, being very large and perfect in form, with dark, deep velvety blotches, margined with an endless variety of colors; extra large and fine. **Pkt. 10c.**



Sweet Peas.

The New Large-Flowering Varieties.

The following is a list of the newer varieties of Sweet Peas. No true lover of flowers can afford to have a garden without Sweet Peas. Lovely, bright, fragrant flowers that bloom abundantly all summer. Fine for cutting and for bouquets. No flower is its equal.

Adonis—Rose pink, laced with rose.

Alba Magnifica—A good, pure white of good substance.

Alice Eckford—Rich, cream-tinted cerise; standard tinted pale pink; wings pure white. Large, round, expanded flower.

America—The best red and white striped. Large, bold flower; white ground, striped with blood red.

Apple Blossom—Standards shaded bright pink and rose; wings pale pink. Large grandiflora type.

Aurora—Standard and wings are white, flaked and striped with bright orange salmon. Immense size and grandiflora type.

Black—Deep maroon standards; wings deep blue; good substance.

Blanche Burpee—The finest white yet introduced, being the largest and most graceful. Flowers four on a stem; white seed.

Blushing Beauty—Very soft, pale pink, graceful and inclined to be hooded; good stiff stems; flowers large.

Boreatton—A rich, velvety maroon; self color; flowers large, very dark.

Bronze King—A rather small variety, with standards that are round, of peculiar copper pink, with clear white wings.

Brilliant—A bright scarlet sweet pea of improved form. The color is a bright crimson scarlet. Flowers three on a stem, and the flowers retain their rich, brilliant color under the hottest sun, never becoming marbled or burned.

Butterfly—Standards and wings white, faintly suffused with lavender. Entire flower edged with light blue.

Cardinal—Bright, crimson scarlet. Bright, glowing, large flowers.

Captain Clark—Standard white shaded crimson, pencilled at base with blue. Wings white, blue edged. Beautiful variety. Large size.

Any Variety of Sweet Peas named on this page except Pink Cupid, per pkt. 5c, per oz. 10c.

New Dwarf Sweet Pea. Pink Cupid.

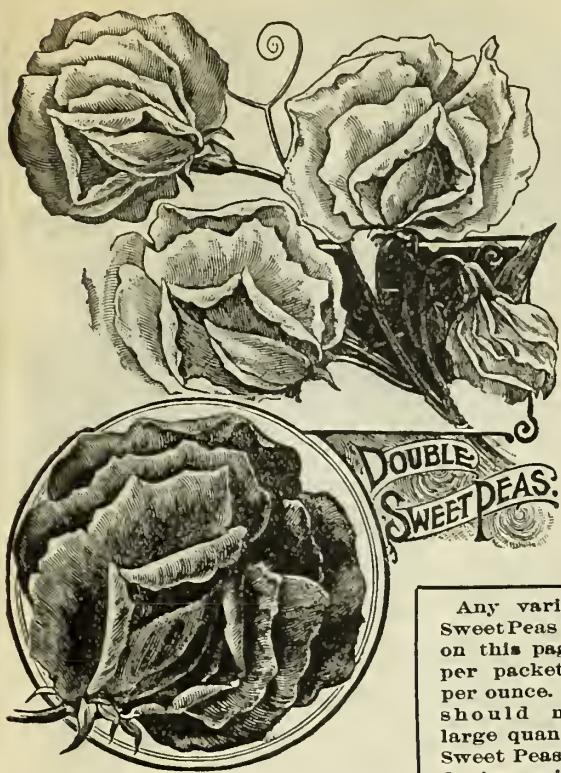
The illustration has been engraved from a photograph of a single plant grown with ordinary culture. It is not a sport from the original white Cupid, but an actual departure from its parent, the Tall Blanche Ferry. In habit and manner of growth it is strictly a Cupid, spreading from the root from a foot to eighteen inches around, growing from six to eight inches high and shooting up stems about six inches long, which bear in full bloom at once from three to four handsome blossoms, all borne close to the end of the stem. The standard is a bright, rosy pink, while the wings are pure white or light pink. The flower is large and finely formed. The substance of the blossom is peculiarly heavy, and the flower will appear fresh and vigorous in a glass of water long after its long-stemmed parent has withered and died. The plant is vigorous and hardy.

Pkt. 10c, 2 for 15c, oz. 20c,
1/4 lb. 75c.

Notice our 1899 mixture on page 98. It comprises the choicest of the named varieties.



A Single Plant, exactly engraved from a Photograph of
DWARF SWEET PEA. PINK CUPID.



DOUBLE
SWEET PEAS.

Any variety of
Sweet Peas named
on this page, 5c.
per packet, 10c.
per ounce. If you
should need a
large quantity of
Sweet Peas, write
for low prices.

Firefly—An intense glowing crimson scarlet, large flower and profuse bloomer. The brightest colored sweet pea yet introduced.

Gaiety—White striped and flaked with purplish pink. Large type.

Golden Gate—Unlike any other Sweet Pea. Long pointed wings which stand upright (like the ears of a rabbit), nearly parallel with the standard. The wings never overlap or meet each other as in all other Sweet Peas. The standard is a soft pinkish mauve; wings lavender and a lighter mauve.

Gray Friar—Large shell shaped flowers of a peculiar color, which is a most beautiful watered purple on white ground.

Igneus—Deep crimson scarlet.

Indigo King—Standard dark purple maroon; wings indigo blue.

Juanita—Color pure white, delicately lined and striped with pale lavender.

Little Dorrit—Standard carmine, tinted pink, of very fine form, large white wings, the colors beautifully harmonized.

Lady Beaconsfield—Standard salmon pink, wings primrose yellow.

Lady Penzance—Standard apricot color. Wings a brilliant rose.

Lottie Eckford—Standard white, shaded mauve; wings white, blue edged.

Lemon Queen—Standard pale blush and lemon. Wings white, large.

Maid of Honor—An improved light Butterfly; light blue on white ground, shaded and edged blue. Finest hooded form.

Miss Hunt—Standard pale carmine laced with rose pink.

Monarch—Standard purplish maroon. Wings purplish blue. Large Grandiflora type.

Mrs. Eckford—Best yellow. Handsome delicate sulphur yellow, a shade deeper than primrose. Large and fine.

Mrs. Joseph Chamberlain—White striped and flaked with pale rose. Very large.

Mrs. Gladstone—Standards, soft blush pink. Wings slightly deeper infused with carmine pink. Profuse, large fine flowers.

Mrs. Sankey—Pure white, large bold flower.

Double Mixed—Double in Sweet Peas means that the blossoms will show the standard divided into two or three parts sometimes giving the flower quite a double appearance. We have an excellent strain which will with good cultivation produce about forty per cent of true blossoms.

Delight—Standard white, flushed with pale pink, crested carmine, wings white, very fragrant.

Duchess of Edinburgh—Standard light scarlet, wings light crimson.

Duchess of York—Standard and wings white, delicately barred and striped with pale pink. Large and perfect.

Duke of Clarence—Rosy claret, self color. Very large and fine.

Duke of York—Bright rose standard, wings primrose, shaded pink.

Emily Henderson—Absolutely pure white. The flowers are borne on long, stiff stems, are extra large, with broad round standards that stand up boldly. Plants are robust, compact and branching and very free bloomers. Five to seven flowers on a stem. Flowers are glossy and satiny and of very good substance. The best white for cut flowers.

Eliza Eckford—Very distinct and beautiful. Standard blush pink shade and flaked with a deeper pink. Wings blush, white veined rose. Large Grandiflora type.

Empress of India—Rosy pink standard, white wings.

Extra Early Blanche Ferry—The earliest of all varieties, being fully three weeks earlier than any other sort. The best variety for florists' use for cut flower trade. The best variety for out doors or for forcing.

Next to Cupid, it is the most dwarf variety. Deep rosy red standards, blush white wings, compact, vigorous grower and profuse bloomer.

Etna—Dark crimson, with marbled edges.

Fairy Queen—Standard white penciled with crimson, wings white.

Orange Prince—Standards are bright orange pink, wings pink.

Ovid—Bright pink laced with rose. Large type.

Peach Blossom—Standard pink, shading to buff, wings soft pink. Large types.

Primrose—Pale primrose yellow, self color.

Painted Lady—Standard light rose, wings white. Small flowers.

Princess Louise—Standards are pink, wings violet.

Princess of Wales—White, striped with light blue and mauve.

Our stock of Sweet Peas is very select this season and we can quote very low prices to any one wanting a quantity of any sort.

Everlasting Perennial Peas grow and flower in any soil, perfectly hardy. Grow from six to eight feet high.

Extra Early Blanche Ferry.

Mikado—Deep orange, cerise ground striped white of exquisite form and good size, large and fine form.

Novelty—Rich rosy red of an orange tinge, a very bright color.

Oddity—A marked peculiarity is the irregularity of form in the flowers, the Standards are inclined to curl considerably. Another distinct feature is the heavy strong stems usually bearing four flowers. The color is pale carmine, edged with bright rose, giving it the appearance of a red edged variety.



Everlasting.

WRITE FOR PRICES ON
SWEET PEAS
IN BULK.
We have a very large assort-
ment at bottom figures.



KATHERINE TRACY.

Katherine Tracy—Largest and Finest Pink. Color is exquisite soft pink throughout. A large, perfect, bold flower of much substance. Stands the hot weather without wilting or fading, as most delicate Pinks do, but retains its brilliant color. Vines are hardy and vigorous and bloom profusely the whole summer. One of the best in size, form and color.

THE BRIDE—A pure white, of fine substance, large size and grandiflora form. Good, stiff stems; a profuse bloomer.

Any
Variety of
**SWEET
PEAS**

named on
this page
at 5c. per
Packet.
10c. per
Ounce.

Ramona—

Grand flowers of very large size and perfect form. A vigorous grower and 3 to 4 flowers on a stem. Its color is delicately beautiful. A creamy white, daintily splashed with pale pink on standards and wings. A most dainty sort.

Princess Beatrice—Bright rose, flushed with pale pink.

Princess Victoria—Standard bright scarlet; wings crimson; large.

Purple Prince—Maroon standard; wings purple.

Purple Brown Striped—White, striped with dark purple and maroon.

Queen of the Isles—White, striped with red and purple crimson.

Queen of England—Large, pure white.

Rising Sun—Orange and rose shaded carmine; wings rose shading to blush; flowers small but pretty.

Royal Robe—The best deep pink. A fine shell formed flower of an exquisite shade of deep rosy pink.

Red and White Striped—Large grandiflora type.

Senator—Creamy white, striped with purplish maroon and chocolate. Large, fine flowers on long, stiff stems.

Splendor—Bright rose pink. Self color. Large grandiflora type.

Splendid Lilac—Standard dull carmine; wings white edged and shaded blue.

Stanley—Very deep maroon; self color; darkest of all; large.

Venus—Soft salmon buff, deepening with age, large type.

Violet Queen—Same as **Princess Louise**.

Vesuvius—Standard shaded crimson; wings violet.

Waverly—Standard rosy elaret; wings blue laced rose; large, fine type.



A Single Plant of **CUPID**—GROWN IN A POT. Engraved from a Photograph.



COPYRIGHT
1899
W. A. B. & CO.

WHITE CUPID.

Grows only Five Inches High.

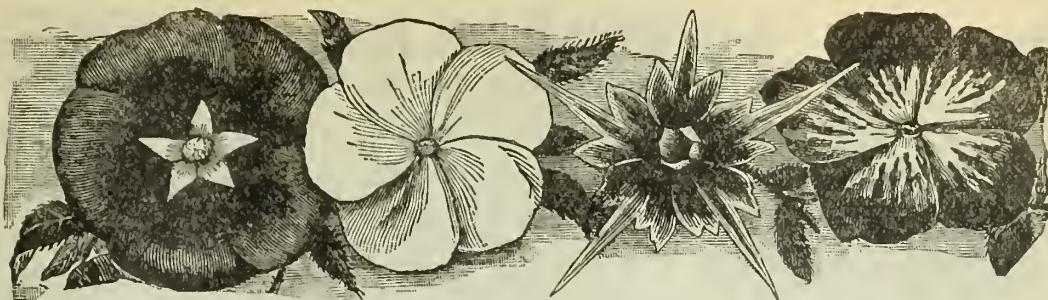
Fancy a solid area of deep green—just as green as Cypress—a carpet of plants only five inches high spreading out from the roots, so as to meet when the seed is planted two feet apart in rows; then fancy this carpet of deep, living green springing into blossom in one week, all a mass of white—clear waxy white. Sweet Peas on stems only four inches long, and a hundred on a plant, all white, like a mass of snow.

Our 1899 Mixture.

This mixture comprises some of all the varieties described in the foregoing pages, and so mixed that the bright colors will prevail. This mixture is not put up of the old style, cheap varieties, but only the very newest sorts, and only such as we know from experience will give satisfaction in your gardens.

No better mixture can be bought.

Ounce 5c, $\frac{1}{4}$ lb. 15c, lb. 50c.



PHLOX DRUMMONDI.

Improved Large Flowering Varieties.

An indispensable, constant blooming favorite, which should occupy a prominent place in every garden for clumps or massing. Very desirable for their duration of bloom and display of brilliant, dazzling colors. Hardy annuals. The large flowering sorts are extraordinarily fine.

Pure White—Fine, clear white.

Rose—A bright rose. Beautiful.

Isabellina—Pale yellow.

Striata—Striped scarlet and white.

Double White—A profuse bloomer. Charming, densely double white flowers. About 60 per cent. come true from seed.

Star of Quedlinburg—Different from all other Phloxes. The center petals, which are five in number, are elongated from four to five times the length of the lateral ones. Distinct and star like.

PETUNIA.

For out-door decoration or house culture, few plants are equal to this class. They commence to bloom early, and continue to flower through the summer. Give them a rich soil and sunny place.

Fine Mixed—(*Petunia hybrida mixed.*)

Double Mixed, Large Flowering—Flowers twice the size of the ordinary strain, and the most beautiful colors. Produce a larger per cent of double than most strains.

Pkt. 25c. each.

PINKS.

(See *Dianthus* and *Carnation*.)

PASSIFLORA.

(*Passion Flowers.*)

Magnificent twiners of unrivaled elegance, and of commanding beauty. The foliage is graceful and attractive, and the flowers are truly gorgeous.

Passiflora Cœrulea—The most beautiful and remarkable variety grown, producing rich green foliage and sky-blue flowers, followed in the autumn by a profusion of golden fruit.

All Varieties of Flower Seeds

5 cents per Packet, except where noted.



PASSION FLOWER.

Double Large Flowering Petunia.



Petunia.

RICINUS.—(*Castor-Oil Plant.*)

Ornamental plants of stately growth and picturesque foliage, with brilliant colored fruit, producing a sub-tropical effect.

Ricinus Sanguineus—Exceedingly ornamental. Red-spotted fruit in clusters. Fine foliage.

Fine Mixed—All colors.

SALVIA.—(*Flowering Sage.*)

Favorite green-house and bedding plants. Bearing long spikes of flowers in great profusion, from July to October.

Salvia Mixed—All colors.

SENSITIVE PLANT. (*Mimosa.*)

Curious and interesting plants with pinkish-white flowers. The leaves close and drop when touched or shaken. Require a mixed soil of peat, loam and sand.

Mimosa Pudica.

SCARLET RUNNERS.

P. Multiflorus—Fine climbers, growing ten feet and produce dazzling red flowers. Well known as the **Fire Bean**.

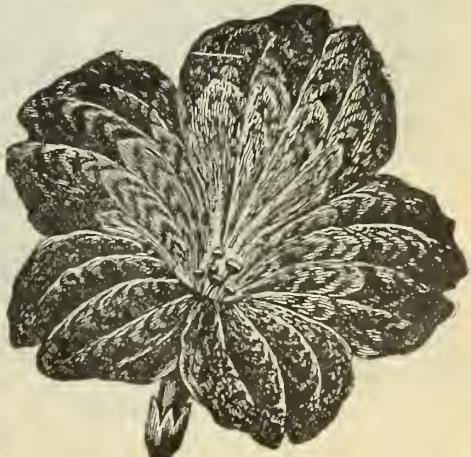
SALPIGLOSSIS.—(*Painted Tube Tongue.*)

Remarkably beautiful blooming plants, with funnel-shaped flowers, curiously veined and marbled.

New Large Flowering Mixed—All colors.



RICINUS.



SALPIGLOSSIS.



MULTIFLORA
DWARF
PERPETUAL
ROSE.

"Little Midget" Roses.

MULTIFLORA DWARF PERPETUAL MIXED—The plants commence to bloom when only about four inches high, and in a little over a month from sowing the seed, and continue to grow and bloom until the end of the season, when they are compact plants about sixteen inches high. With a little protection the plants will live over and the flowers be even more beautiful the second season. The roses are only about an inch across, usually very double, but occasionally semi-double and seldom single; they are borne in many-flowered clusters and contain all the tints of cultivated roses. **Pkt. 10c.**

PORTULACA (Moss Rose)—Brilliant dwarf annuals, six inches high. Plant in sunny place and sandy soil. Bloom all summer. Single, mixed colors. **Pkt. 5c.** Double, mixed, rose flowered; beautiful brilliant colors of great variety. **Pkt. 10c.**

PRIM ROSES—A charming and profuse flowering plant, indispensable for winter blooming. *Primula*, finest mixed, all colors, very fine. **Pkt. 25c.**

VINCA—Ornamental, free-flowering plants. If sown early will bloom the first season. *Vinca*, mixed, all colors. **Pkt. 5c.**

ROCKET (*Hesperis*)—Rocket mixed. **Pkt. 5c.**



DOUBLE POPPIES.

RHODANTHE—Beautiful everlasting, with silvery tinted flowers. *Rhodanthe*, mixed. **Pkt. 5c.**

POPPIES.

Showy, large, brilliant colored flowers, growing freely in any garden soil. Produce a fine effect in clumps or beds.

SNOW DRIFT—A grand variety. The large, pure white flowers are perfectly round and double. **Pkt. 5c.**

GOLDEN GATE POPPIES—Recall to mind every color you have seen in poppies, then imagine every conceivable combination of colors—striped, blotched, edged and bordered, on both single, semi-double and double flowers—and you will have but a faint idea of the wondrously varied beauty of the new Golden Gate Poppies. **Pkt. 5c.**

FAYAL POPPIES—The seed of these first came from the Fayal Islands. They are charming dwarf plants, producing double and single flowers, which are like crinkled tissue paper, and of every imaginable poppy color, deepest red, terra cotta, salmon, soft and bright pink, pure white, grey, etc. **Pkt. 5c.**

SHIRLEY—The absence of black blood gives them their wonderful light, bright tissue-paper-like appearance. The colors range from pure white, through pinks of all shades, to glowing scarlet, but a scarlet without black. Some are red with white edges, and others veined and streaked and flaked from the center toward the edges in the most charming confusion. Mixed colors, extra fine strain. **Pkt. 5c.**

FAIRY BLUSH—The immense globular flowers are perfectly double, and measure from ten to thirteen inches in circumference; the petals are elegantly fringed and pure white, except at the tips, where they are distinctly colored with rosy cream. The foliage grows only twelve to fourteen inches in height, above which the flowers are borne on long stems. **Pkt. 5c.**

THE MIKADO—Of pure white and brilliant crimson scarlet; large double flowers of quaint, artistic beauty, with petals deeply cut and fringed. **Pkt. 5c.**

POPPY CARNATION FLOWERED—Very fine, double fringed flowers, all colors. **Pkt. 5c.**

FINEST MIXED—All colors and varieties. **Pkt. 5c.**

NICOTIANA.

NICOTIANA AFFINIS—(Sweet Scented Tobacco Plant.) This Tobacco Plant attains a height of about two feet, and produces an abundance of large, pure white flowers of delicious fragrance. It also succeeds finely as a house plant. If the plants are taken up in the fall, cut back and potted, they will bloom all winter. **Pkt. 10c.**

COLOSSEA—Attains a height of five to six feet during one summer; immense leaves, at first rose and violet, afterward changing to deep green, with red nerves. A gigantic and imposing ornamental foliage plant for lawns, giving an elegant tropical effect. **Pkt. 15c.**

COLOSSEA VARIEGATA—A counterpart of the above, excepting about 50 per cent of the plants will have leaves beautifully edged with white. **Pkt. 15c.**

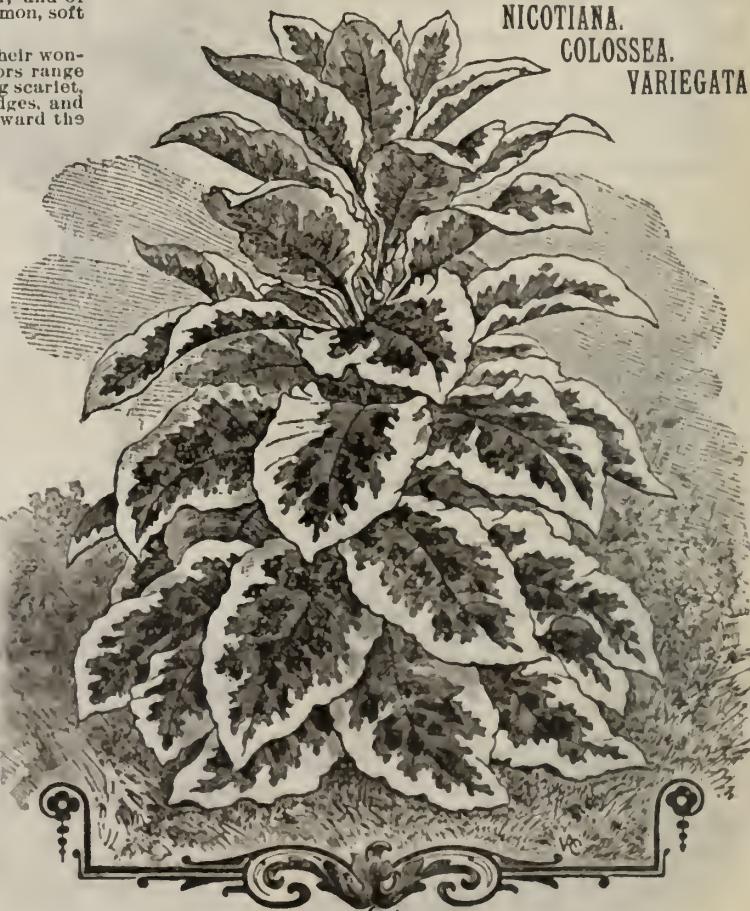


DOUBLE PORTULACA.

VIOLET (*Viola Odorata*) Well known early spring blooming fragrant flowers. Violet, single blue—very sweet scented blue flowers. **Pkt. 5c.**

XERANTHEMUM—Pretty free-flowering everlasting. *Xeranthemum*, mixed. **Pkt. 5c.**

NICOTIANA.
COLOSSEA.
VARIEGATA.



A WILD FLOWER GARDEN.

A mixture of many varieties of beautiful, easy growing, hardy flowers, producing a constant and varied bloom the whole season. It is adapted for sowing in shrubbery, under trees, and in beds on which no care will be bestowed, or even for sowing in exposed situations, where wildness is preferred to order and precision. The mixture comprises Mignonette, Candytuft, Larkspurs, Marigolds, Poppies, Foxgloves and many other garden favorites, which will flower successively and yield an abundance of bloom. **Large pkt. 5c.**



Zinnias.

ZINNIAS.

The double Zinnia is one of our most showy and brilliant garden favorites.

Double Pompon—Large, double, brilliant, mixed, all varieties and colors.

Double White—Pure color, very fine.

Double Scarlet—Very brilliant.

Zebra—Large, handsome, beautifully marked.



Scabiosa.



Sweet William.

SCABIOSA.
(Mourning Bride, or Sweet Scabious.)
Scabiosa, Finest Varieties Mixed.**SWEET WILLIAM.**

(*Dianthus Barbatus*.)

Well-known, free-flowering, hardy plants, admired for their endless variety of beautiful, massive heads, when in bloom.

Sweet William—Single, large flowering, double mixed.

STOCKS.

(Cillyflower.)

One of the most popular plants. For its brilliancy of color, profusion of bloom, etc., it is unsurpassed. The ten-weeks Stocks are in bloom from ten to twelve weeks after seed is sown.

Stock, New Large Flowering—The largest and finest varieties, mixed. Pkt. 10c.

Pure White—Pkt. 10c.

Bright Crimson—Pkt. 10c

Purple—Pkt. 10c.

Ten-Weeks—All colors of double mixed. Pkt. 5c.

WHITLAVIA.

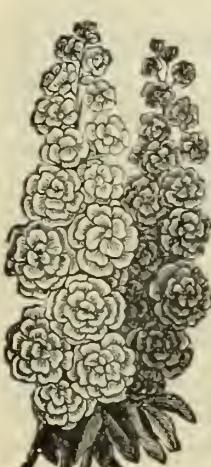
A pretty plant, with delicate foliage and blue and white bell-shaped flowers.

Whitlavia—All colors.

WALLFLOWER.

Flowers very fragrant. Large massive spikes. Profuse bloomers.

Wallflower, Single Mixed
Finest Double Mixed—
Pkt. 10c.

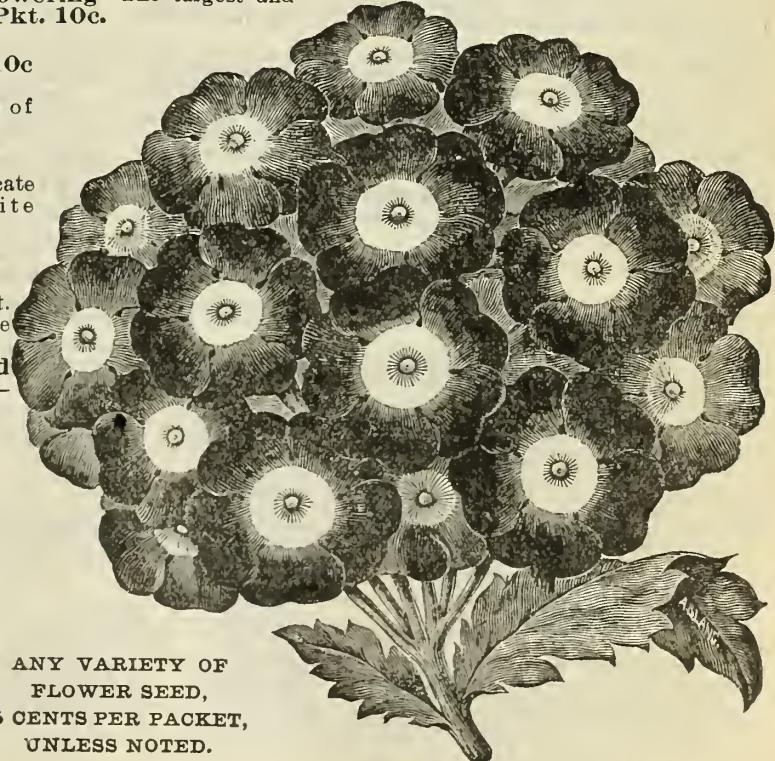


Stocks.



Wallflower.

ANY VARIETY OF
FLOWER SEED,
5 CENTS PER PACKET,
UNLESS NOTED.



Mammoth Verbena.

VERBENA.

Mammoth Verbena—Obtained by selection of the largest and most striking flowers. Our strain is very fine. All colors mixed. Pkt. 10c.

Mammoth White—Large, very fine. Pkt. 10c.

Scarlet—Very brilliant. Pkt. 10c.

Striped Varieties—Pkt. 10c.

Blue Varieties—Pkt. 10c.

Red Varieties—Pkt. 10c.

Defiance—Very brilliant scarlet, very fine bedding variety. Pkt. 10c.

Fine Mixed—All colors. Pkt. 5c.

LEMON VERBENA.

Aloysia Citriodora—Lemon-scented foliage. Pkt. 10c.

FERTILIZERS.

It is unnecessary to tell our customers that Chicago is recognized as headquarters for Commercial Fertilizer. Here is to be had material for the manufacturing of Fertilizer in large quantities and of highest grade. We have made special arrangements with the factory by which we are able to offer this article at the lowest wholesale price, and solicit correspondence from parties wishing large quantities. We can save you money if you buy by the sack, ton or carload. Every bag and barrel has a guaranteed analysis.

A FEW IMPORTANT POINTERS.

The labor of growing thirty bushels of wheat to the acre is no more than if the yield is only ten bushels. The same is true of all other crops. Fertilizers increase the yield.

A sandy soil is usually deficient in all the essential plant food constituents. Clayey soils require nitrogen in particular, while soils rich in vegetable matter need phosphoric acid and potash. Limestone soils usually contain enough phosphoric acid and are deficient in nitrogen and potash.

These are only the general indications, and there are exceptions to the rule.

Thorough preparation and tillage of the soil are necessary to derive the best results from fertilizers.

Quick growing crops require soluble plant food. All our formulæ are high in available food.

Slow growing crops require a lasting fertilizer, one with pure bone as a basis, and many prefer bone alone. Fruit trees require slow-acting fertilizers, but the small fruits require quicker acting, soluble goods. All fruits are potash eaters.

Clover, peas and beans get their nitrogen from the air, but rob the soil of phosphoric acid and potash. Grains and grasses require all three ingredients in a more or less soluble form, according to the time

applied. If used in the fall, insoluble; if used in the spring, partly soluble and partly insoluble; late in the season, all soluble.

Root and tuber crops require plenty of all three fertilizing elements in the most available form. Our Vegetable and Lawn Fertilizer just fills the bill.

The character of the soil must be taken into consideration in selecting a fertilizer, as well as the crop to be grown.

Phosphoric acid and potash will not wash out of the soil to any extent, but remain there until the plant removes them. Although soluble, they make certain combinations in the soil which fixes them there. Nitrogen, however, is readily washed out of the soil and carried away by drainage.

When nitrogen is derived from ammonia, the ammonia has to be changed to nitrate by the action of the soil before it can be wasted. Therefore, a fertilizer where the nitrogen is derived from ammonia is the safest to use.

We are glad to note that our western farmers are gradually getting weaned away from raw bone. The best authorities say that steamed bone is worth more ton for ton than raw bone, as it contains less grease, acts quicker, and contains more phosphoric acid than the raw bone. Yet some farmers still persist in paying a premium of \$2.00 per ton, and more, for raw bone.

Vegetable and Lawn Fertilizer. Guaranteed analysis:

Ammonia: 4 to 5 per cent; available phosphoric acid: 7 to 9 per cent; Total Phosphoric acid: 8 to 11 per cent; Actual Potash: 7 to 9 per cent; This is positively the best article on the market for use as a complete manure for all purposes. It is the best lawn fertilizer ever prepared. Note the large amount of actual potash in this brand. **10 lb. package. 50c; 25 lbs. \$1.00; bag or 100 lbs. \$2.00; 200 lbs. \$3.50; ton \$30.00.**

Farmers' Favorite Brand. Guaranteed analysis. Ammonia: 3 1/2 to 4 1/2 per cent; Available Phosphoric Acid: 8 to 9 per cent; Total Phosphoric Acid: 13 to 14 per cent; Actual Potash: 4 to 5 per cent.

Two hundred pounds of this will go as far as 600 pounds of almost any other brand on the market. It is available for spring crops and also lasting in the soil. It will build up your land, and is the most economical all-around fertilizer on the market. It is the best brand on the market for fruit trees, vines and small fruits. When wanted for fruit growing, if requested will use Muriae instead of Sulphate of Potash, as it gives better results on fruit. **10 lb. package. 50c; 25 lbs. \$1.00; bag of 100 lbs. \$1.90; 200 lbs. \$3.00; ton \$27.50.**

Sure Winner Brand. Guaranteed analysis. Ammonia: 1 1/2 to 2 1/2 per cent; Available Phosphoric Acid: 7 to 9 per cent; Total Phosphoric Acid: 12 to 14 per cent; Actual Potash: 3 to 4 per cent.

For land and crops requiring minerals (phosphoric acid and potash) and very little ammonia, this brand fills the bill. **10 lb. package. 50c; 25 lbs. \$1.00; bag of 100 lbs. \$1.50; 200 lbs. \$2.75; ton \$26.00.**

Chicago Brand. Guaranteed analysis. Ammonia: 2 1/2 to 3 per cent; Available Phosphoric Acid: 7 to 9 per cent; Total Phosphoric Acid: 11 to 14 per cent; Actual Potash: 1 to 2 per cent.

This brand gives you a combination of nitrogen and phosphoric acid, with very little potash, and where potash is not needed gives very good results. **10 lb. package. 40c; 25 lbs. 75c; bag of 100 lbs. \$1.25; 200 lbs. \$2.50; ton \$23.00.**

Pure Ground Bone, Steamed. Guaranteed analysis. Ammonia: 3 to 4 per cent; Bone Phosphate: 50 to 60 per cent; Equal to Phosphoric Acid: 21 to 25 per cent.

In this article we give you a finely ground steamed bone, pure and in the best possible condition. Users of bone alone can find no better article. It will analyze nearer the highest per cent. given in our guarantee than it will the lowest. It gives great big results on fall crops, and we will give you the bone for nothing if you find that it contains any adulteration whatever, as shipped from our factory. **10 lb. 50c; 25 lbs. \$1.00; bag of 100 lbs. \$1.60; 200 lbs. \$2.85; ton \$27.00.**

Ground Raw Bone. Guaranteed analysis. Ammonia: 4 to 5 per cent; Bone Phosphate: 21 to 25 per cent.

This is a pure ground raw bone—no rock is put in to cheapen it. These goods also will analyze nearer the highest limit of our guarantee. **10 lbs. 50c; 25 lbs. \$1.00; bag of 100 lbs. \$1.90; 200 lbs. \$3.00; ton \$29.00.**

FLORISTS' PLANT FOOD.—This article has been made at the suggestion of florists, who desired to obtain an inexpensive, effective and odorless preparation, that would act quickly on plants and furnish food for flower and leaf. An application of this plant food will be observed in the vigorous growth of the flowers and a deep green foliage. **5 lbs. 50c; 10 lbs. \$1.00; 25 lbs. \$1.75; 50 lbs. \$2.00; 100 lbs. \$4.00.**

BLOOD AND BONE FERTILIZER.—Manufactured of pure blood and bone. The quantity we use of this fertilizer, when applied broadcast for such crops as spinach, cabbage, beets, onions or celery, is from one or two tons per acre, according to the condition of the land. For seed beds of cabbage, lettuce, etc., the same ratio of quantity is used. When this fertilizer is used in rows or in hills for such crops as celery, cabbage or early corn, from 100 to 200 lbs. per acre will be enough. **200 lbs. \$3.00; ton \$25.00.**

BOWKERS' PLANT FOOD.—An excellent fertilizer for house plants. Clean to handle, without odor, produces rich green growth and profusion of flowers. Directions for use accompany each package. **Small package 15c, by mail 20c. Large package 25c, by mail 40c.**

NITRATE OF SODA.—Should be sown broadcast, and it is very important to sow it evenly. Two or three pounds on a square rod will be beneficial. **Price, 25 lbs. \$1.50, 50 lbs. \$2.00, 100 lbs. \$3.25, 200 lbs. \$6.50, 500 lbs. \$15.00.**

Notice the Following Valuable Formulas.

The Double Tube Lightning Insect Exterminator (see page 105) uses less Paris Green and water than any machine in existence, on account of the spray being so fine. Not a drop of water is wasted. A table spoonful of Paris Green and two quarts of water will successfully kill the bugs on 2,000 hills of potatoes.

The Double Tube Lightning Insect Exterminator is highly recommended by florists and gardeners, as well as every lady who has house plants. Also by stock raisers for keeping flies from cattle and horses during the summer months by using the following formula. This is perfectly harmless to man or beast but very obnoxious to insects. This is worth money to any farmer, and the ingredients can be procured at any drug store.

FORMULA.—Fish oil, 2 quarts; crude carbolic acid, 1 pint; oil of pennyroyal, 1 ounce; oil of tar, 8 ounces. Mix together and spray with the Double Tube Lightning Insect Exterminator. This is especially fine for milch cows and work horses. It should be applied three or four times a week. It is also one of the best remedies for collar gall or cuts, being very healing. Also acts as a disinfectant.

HOW TO MAKE KEROSENE EMULSION.—Heat one gallon of soft soap until it becomes a liquid. Add two quarts of kerosene oil. Stir together until the soap and oil will not separate. Put this into six gallons of water. Stir thoroughly, when all is ready. Spray very freely. For currants, gooseberry bushes (which are usually attacked by currant slugs, saw flies and span worms), use Paris Green in the same proportion as for potato bugs. For rosebushes or house plants, use fire tree oil, or lemon oil made thin. Rose leaf extract of tobacco is also used with great results. For disinfectants, use carbolic acids. For house flies, a few puffs of Parisian insect powder; lavender oil is also an excellent remedy. For killing bee and insects in the walls and on the roofs of poultry houses, use kerosene, carbolic acid and lime water. For flies on stock, use tobacco juice. For spraying cigar wrappers, use water; also for clothes and carpets.

FLOWER OF SULPHUR.—For destruction of mildew on roses, etc. Blow it over the plants with a sulphur bellows. **1 lb. 10c, 10 lbs. 65c, 25 lbs. \$1.50.**

PERSIAN INSECT POWDER.—Sure death to all kinds of insects. **1/4 lb. 40c, 1/2 lb. 80c, 1 lb. \$1.00.**

PARIS GREEN.—Warranted pure. Write for special quotations in larger lots. **1/4 lb. 15c, 1/2 lb. 25c, 1 lb. 40c.**

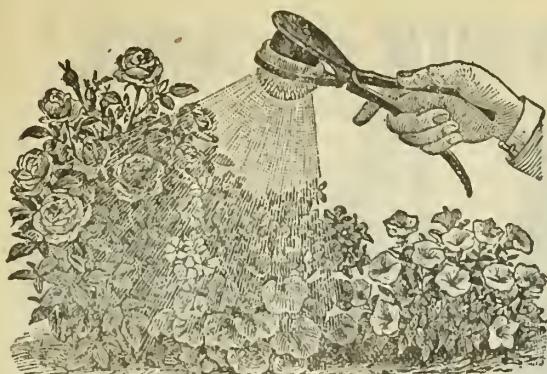
HAMMOND'S SLUG SHOT.—It kills potato bugs, currant worms, cabbage worms, flea, caterpillars. In fact every pest known to the gardener—while the mixture is in itself entirely harmless. **5 lb. package. 30c, 10-lb. package. 50c, 60-lb. (225-260 lbs.) \$1. per lb. Tin canisters, with finely perforated top for dusting (filled) 25c ea., by mail prepaid 40c.**

WHALE OIL SOAP.—Dissolve one pound in five gallons of water, and sprinkle the stems and foliage, using a syringe or force pump. **2 lbs. not prepaid 25c, 5-lb. box 50c.**

TOBACCO SOAP.—This soap is a most valuable article for shrubs, trees and animals. A single application will in most cases prove sufficient. In case of rose slugs, oleander bugs and red spiders, however, a second application is sometimes necessary. **1/2 lb. box. 25c.**

TOBACCO STEMS.—For smoking plants infected with green fly. **1 lb. 15c, 6 lbs. \$1.00.**

WHITE HELLEBORE.—Excellent for destroying rose slugs, currant worms, etc. **1 lb. 50c.**



Atomizer and Sprinkler.

Gardening Tools and Supplies.

PRICES GIVEN BELOW DO NOT INCLUDE PRE-PAYING OF CHARGES EXCEPT WHERE NOTED.

ATOMIZER AND SPRINKLER.

For Flowers, Clothes, Floors, House Plants and various Fine Sprinkling.

An Atomizer for sprinkling your carpets to settle the dust previous to sweeping. Use a few drops of ammonia in the water, thus leaving the carpet nice and bright.

If any insects are among your plants, put a few drops of ammonia or whale-oil soap in the water. By its use water can be thrown on the under side of the foliage as well as on the top. It will kill the insects and save your plants. Excellent for rose-bushes.

By dipping in water while closed, it fills instantly. Ball finely perforated, will throw a spray ten feet if desired; spray much finer than the rubber sprinkler; appears like a fog controlled by pressure.

Every Sprinkler is put in a neat box with directions, and on receipt of 40 cents we will mail it throughout the United States.



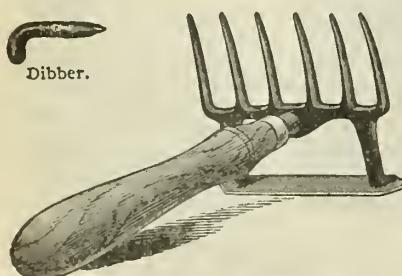
Excelsior Weeder.



Hazeltine Weeder.



Dibber.



Combination Hand Weeder.



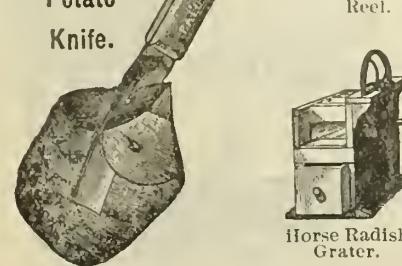
Protecting Cloth for Hot Beds.



Sulphur Bellows.



Humphrey's Concave Potato Knife.



Horse Radish Grater.

BELLOWS.

Used for dusting plants with sulphur or like material. Two sizes, each, \$1.00 and \$1.25.

WHITNALL'S DANDELION PULLER.

An excellent tool for removing dandelion plants, dock or plantain from lawns. Price, 25c; postpaid, 40c.

DIBBERS.

For transplanting vegetable plants; steel point; very desirable. Each, 35c; postpaid, 50c.

FUMIGATORS.

For smoking green houses; self acting, and may be left with perfect safety; all the materials consumed, and gives off a dense smoke; made of extra heavy galvanized iron. Eureka, No. 1, \$1.25; No. 2, \$2.00; No. 3, \$2.50.

GARDEN LINES.

Best braided. 200 ft. \$1.25; 100 ft. 65c.

GARDEN LINE REELS.

Each, 40c.

GRAFTING WAX.

Per $\frac{1}{4}$ lb. bar, 15c; $\frac{1}{2}$ lb. bar, 25c; 1 lb. bar, 40c. If by mail, add 16c. per lb.

HORSE RADISH GRATER.

No. 1, capacity, 25 lbs. of roots per hour; weight, 28 lbs. \$7.00.

SPRINKLERS.

Scollay's Rubber—Indispensable for floral work and window gardening. Beware of imitations, this is the best. Large, \$1.00; if by mail, \$1.10; Medium, 75c; if by mail, 82c; Small, 60c; if by mail, 65c.

ANGLE RUBBER SPRINKLER.

By means of this new device liquids can be applied to the under side of the leaves. As is well known, almost all plant insects pursue their destructive work on the under surface of the leaf, and this Sprinkler is designed for liquid insecticides. Price each, \$1.00; postpaid, \$1.10.

HERMES' PARIS GREEN SPRINKLER.

Best tin reservoir for strapping on back and distributing liquid Paris Green through spray. Each, \$1.00.

PUTTY BULB.

Rubber, excellent for glazing. A pressure with the hand ejects the putty along the sash bars; makes tight and neat joint; does not daub the glass nor stick to the hands. Each, \$1.00; by mail, \$1.10.



Garden Line Reel.



Garden Line Reel.



Garden Line Reel.



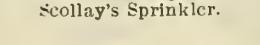
Garden Line Reel.



Garden Line Reel.



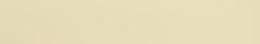
Garden Line Reel.



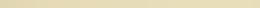
Garden Line Reel.



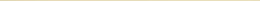
Garden Line Reel.



Garden Line Reel.



Garden Line Reel.



Garden Line Reel.

LEONARD'S UP-TO-DATE TOOLS FOR FARM AND GARDEN.

HAND CORN PLANTERS.



King of the Field.

Eagle.

American.

Comet.

Corn Planters.

King of the Field. This is a very convenient and durable Planter. The adjustment permits its being regulated to drop four, six or more kernels. It gives satisfaction wherever tried. Each.....

78c.

The Eagle. This is a rotary Planter having three different sized plates, which can be put in or taken out as needed in the easiest manner. It is the most popular Planter of all. Each.....

\$1.08

The American. This Planter can be worked with one hand, and for this reason has many friends, and is quite popular. It works to the satisfaction of all who have used it, and at the low price asked for it, all who need a Planter of this kind can easily afford to have it. Each.....

87c.

The Comet. This Planter is the best for the price ever offered. In workmanship it compares favorably with any other Planter, and will give full satisfaction to any one using it. Each.....

68c.

BROADCAST SEEDERS.

The Cahoon. This well known Broadcast Seed Sower is considered among the best. It is easily worked and sows Timothy, Clover, Flax, Wheat, Oats, Rye, Barley, all kinds of Grass, and may be used by the gardener for Spinach Seed or any other kind which he may wish to sow broadcast. Each.....

\$2.69

The Granger. This Sower is similar to the Cahoon in size and general appearance. It works easily, is of strong make and will sow evenly and satisfactorily. Grain, Grass, Clover and all farm seeds which are sown broadcast. Ea. \$2.48

The Cyclone. A Seeder which is becoming very popular. It differs from the above mentioned kinds in construction, but does about the same work. It is a cheaper machine and a good one. Ea. \$1.48

The Chicago Fiddle Bow Seeder. The Fiddle Bow Seeders are much used, give excellent satisfaction and are low in price. Sow all kinds of Grass and Grain, Millet and Clover. Each.....

98c.

The prices on tools mean delivered on the cars or to the express office in Chicago. If you want tools you do not see here, write to us about them.

GARDEN WHEELBARROW.

Set up ready for use.



Very convenient, durable and cheap.

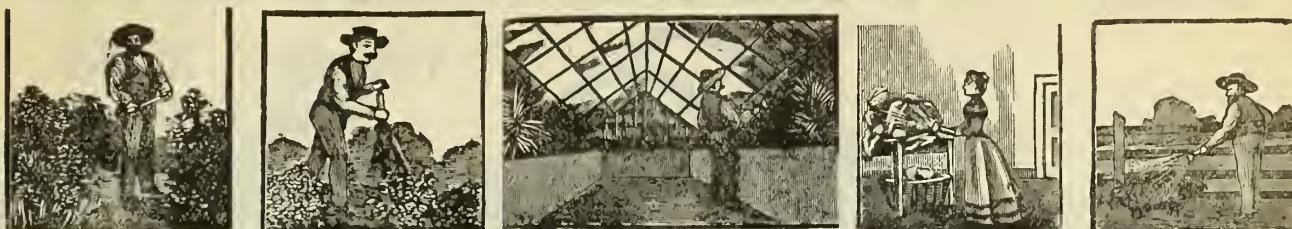
Wood Wheel. Each..... \$2.85

Steel Wheel Each..... \$3.10

Note the Very Low Prices on this Page.



LEONARD'S UP-TO-DATE TOOLS FOR GARDEN AND FARM.



The Lightning DOUBLE-TUBE Insect Exterminator.

sprayer made, covering a radius of $2\frac{1}{2}$ feet, producing two large sprays with one operation. It is made in copper or galvanized iron. The air chamber is of large capacity and the reservoir holds two quarts, which is enough to spray 2,000 hills of potatoes. Only one stroke required to cover a hill of potatoes, which cannot be done with any other machine.

INSECT EXTERMINATORS.

THE LIGHTNING SINGLE-TUBE INSECT EXTERMINATOR No. 1, has a detachable reservoir, as shown in small cut. The reservoir is enameled inside and out to prevent rusting.

This Lightning Insect Exterminator, which has been so largely sold the past two years, and which has been copied after by infringers of the patents, needs no recommendation, as hundreds of thousands that are in use prove it to be a wonderful success. The No. 1 Sprayer is adapted for every kind of insect killing and spraying purposes, as illustrated in the accompanying cuts. Price, 60c. each.



The Double-Tube Lightning Insect Exterminator, No. 2, for 1899, is made with double tube, and double the capacity of any

The Double-Tube Lightning Insect Exterminator is adapted for every kind of insect killing and spraying purposes. There is no insect living this machine will not kill when the right ingredients are used. It is a great saving of labor, and also a great saving of liquids, as the spray is as fine as mist, and being damp, adheres to the plant. All will appreciate our improved machine for '99, as it only requires one-half the labor to operate, because it has double the capacity. With the Lightning Double-Tube Sprayer one man can Paris-Green ten acres of potatoes in one day.

The Double-Tube Lightning Insect Exterminator is also highly recommended for killing plant-lice, flea-beetles, aphids, green fly, mealy bugs, etc., such as attack cabbage, melons, squash, cucumbers, plum trees, and small fruits of all kinds. Use kerosene emulsion. It is safe and very effective.

CAUTION.—Always see the leather plunger is kept well oiled. Occasionally this should be taken out and cleaned, as this forms the air suction and does all the work. Always clean and dry the reservoir before putting away. **Prices:**—Galvanized Iron, 85c, Copper, \$1.00.

Note the valuable formula for mixing insecticides to be used with these sprayers, on page 102.

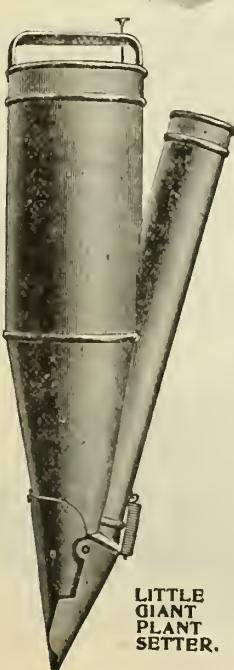
CHALLENGE POTATO PLANTER.

The peer of all potato planters. Used by the leading potato growers of America. All the principal parts of this implement are made of steel, and every part is constructed with a view to insure great strength and light weight. The handle is adjustable and can be raised or lowered to suit the convenience of person using it. **Price, \$1.50.**

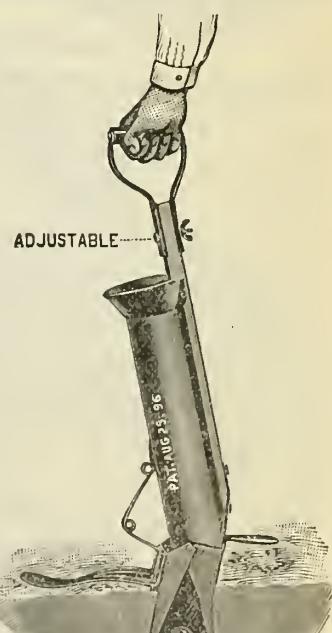
LITTLE GIANT PLANT SETTER.

No more lame backs; no more waiting for showers. Every plant set with water or liquid fertilizer.

Will Transplant Cabbage, Tobacco, Tomato, Cauliflower, Sweet Potatoes, or any other stalk plant. **Price, \$3.75.**



LITTLE GIANT PLANT SETTER.



CHALLENGE POTATO PLANTER.

HARD WORK MUCH WASTE, SMALL CROPS.
THE OLD WAY.



LEONARD'S UP-TO-DATE TOOLS FOR GARDEN AND FARM.



The most satisfactory
Seed Drill made.

NEW MODEL SEED DRILL.

MATHEWS
COMBINATION DRILL.
can be used either as a
Single or a
Double Wheel
Drill or
Cultivator.

The New Model Seed Drill.

Among the Chicago market gardeners ten of these drills are used for every one of any other kind. The diamond shaped adjustable hole regulates the discharge, and can be made larger or smaller, as occasion requires. No other drill has this advantage. The seed cut-off claps up underneath the hole; it does not slide under the same as in other similar drills; on this account it does not clog nor cut the seed. It has a broad wheel and a covering roller. The opening plow is adjustable in depth. The whole make-up of the drill is simple. It can be worked by any one.

PRICE, \$5.50.

Mathews New Universal Combination Drill.

This illustration shows the Combination Implement as a Double Wheel Seeder, also the attachments. It is a desirable combination of the Garden Drill with the New Universal Cultivating Attachments, and has the advantage of being either a Double Wheel or Single Wheel implement at will, the change from the one to the other being readily made.

The change to a Cultivator or Wheel Hoe is also simple and easy, and as a Cultivator it can be used either astride or between the rows.

It is a conceded fact that by far the nicer work can be done by a one wheel Seed Drill. First, because the Single Wheel forms a sight for the operator in running a straight row, on the line marked out by previous passage of the Drill. Second, because with a Single Wheel unevenness of the soil is readily passed over, without bringing extra strain on the operator to keep the Drill steady; while with two wheels a little unevenness under one of the

wheels will cant the Drill, so as to throw the Furrow Opener to one side, and thus leave a crook in the row, which will only be noticeable in after cultivation. Crooked rows tend to increase the labor of cultivation, which is arduous, and must be gone over several times in a season. Plant straight to start with, and save extra labor.

Price, \$7.50



MATHEWS COMBINATION DRILL.

SOUTHPORT ONION DRILL.

This onion drill sows two rows at a time 12 or 14 inches apart, marking, sowing and covering by same operation. This is the best Onion Drill in use, and will pay for itself in sowing one acre, because when adjusted it sows very accurately and evenly, thus insuring a good standing of plants in the row. No seed wasted and no hand thinning required.

For sections where the soil is very soft we have a wheel with 2-inch face.

Of the 500 acres sown to onions in our neighborhood (Southport, Conn.) every acre is sown with this style Drill or the older one, of which this is an improvement. No man having sown one acre to onions with this Drill would use any other. Every machine warranted to do good work and to be made with the best material and workmanship.

Securely packed. Shipped by freight or express as desired. Made for 12 or 14 inch rows.

Either size, Price \$6.00.



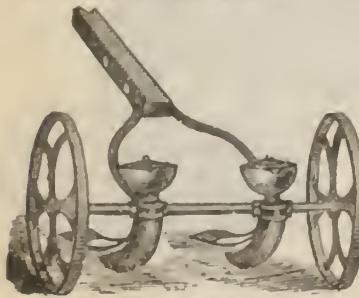
MATHEWS UNIVERSAL SEED DRILL.

THE IRON KING SEED DRILL.

This Seed Drill is used by many onion growers and market gardeners, and is considered by those who use it one of the very best Drills.

The endless chain arrangement which agitates the seed makes no noise while sowing, and it has many other good points which other drills lack.

Price \$6.00.



SOUTHPORT ONION DRILL.



IRON KING SEED DRILL.

It is the same machine as the Mathews Garden Drill, except that the frame is iron. We can supply either style at the same price, \$5.50.

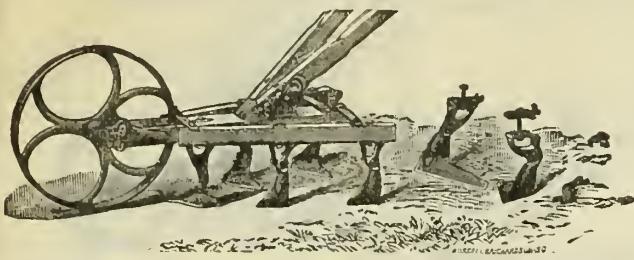
**Beware of Cheap Imitations
of this Drill.**

None genuine but those having the Patent Indicator.

All Drills are now furnished with the New Seed Cut-off, so no seed is wasted in turning at ends of rows, and with Improved Markers.

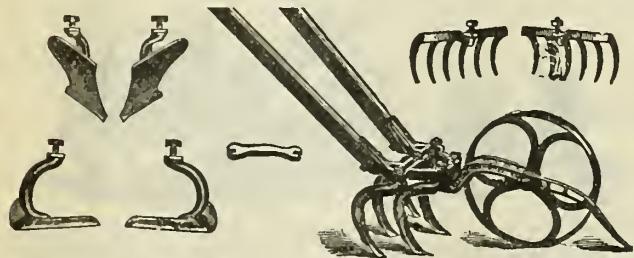
Hand Cultivators and Wheel Hoes.

Matthews' Hand Cultivator.



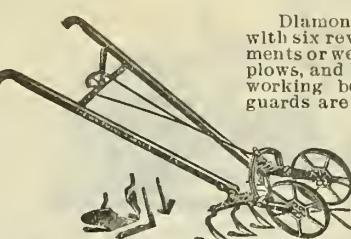
This is one of the best implements in use for weeding between row crops, and for flat cultivation generally, and is an indispensable companion implement to the Seed Drill. It is thoroughly constructed, very durable, and easy to operate. It spreads from 6 to 11 inches, and will cut all the ground covered, even when spread to its greatest extent. The depth of cultivating may be accurately gauged by raising or lowering the wheel, which is quickly done. We can furnish for the Matthews' Hand Cultivator, if desired, a pair of superior style Hoes, with long steel blades, for use in exchange with the cultivator teeth, which are easily and quickly adjusted; or we can furnish the implement with hoe blades, and without cultivator teeth, if desired. Prices complete, as in cut, \$1.00; Cultivator with 5 teeth, \$3.50; with the two weeding blades only, \$3.00.

New Universal Single Wheel Hoe.



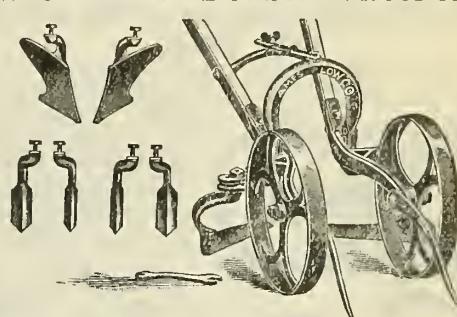
This is an improvement over other tools of this type. It can be used either between or astride the rows, although it is really intended for between row cultivation. For straddle cultivation the wheel can be set to one side so as to bring the row of young plants under centre of frame. The adjustment for graduating the depth of cultivation is unique and readily accomplished. The attachments are 1 pair Hoes, 5 Cultivator Teeth, 1 pair Plows, 1 pair Rakes, and 1 Vine or Leaf Guard. Price, boxed, with all attachments, \$4.00. If with 1 pair Hoe Blades, only, \$2.25.

Diamond Double Wheel Hoe.



Diamond Double Wheel Hoe is made with six reversible points, hoeing attachments or weed cutters, right and left hand plows, and leaf guards or vine lifters. In working both sides of the row, these guards are on the inside of the wheels, but can be changed to the outside when working between rows. The handles can be easily adjusted by simply loosening one bolt. With the proper attachments, it can be used for hillling, furrowing or covering. This cultivator is made of first-class material in a workmanlike manner, and is the most perfect tool of its kind on the market. Price, complete, \$3.75.

New Universal Double Wheel Hoe.



Specially designed for working both sides of the row at one passing. This new hand implement embraces all the good points of older efforts in the same line, and, in addition, offers new features which cannot fail of appreciation. The special recommendation is the Adjustable Arch, by which not only the depth of work can be gauged, but which, by an ingenious device, enables the teeth to be pitched at any angle desired. The attachments are 1 pair Hoes, 4 Cultivator Teeth, 1 pair Plows, 1 pair Rakes, and 1 pair Vine Guards. Price, \$4.25.

New Universal Plain Double Wheel Hoe.

With one pair hoes only. The same machine as the foregoing, rakes, plows, cultivator teeth and leaf guards omitted. Price, \$3.00.

The EUREKA KITCHEN, GARDEN and HOT BED Seed Drill...

It will sow and cover Beets, Cabbage, Carrots, Celery, Lettuce, Onions, Radishes, Spinach, Turnips and all such seeds with the greatest regularity.

The quality of work equals that done with the costly machines, and infinitely better and faster than hand work.

Have You a Kitchen Garden?

Don't try to do without this little planter another season. Your garden will smile approbation all through the season if you use the EUREKA.

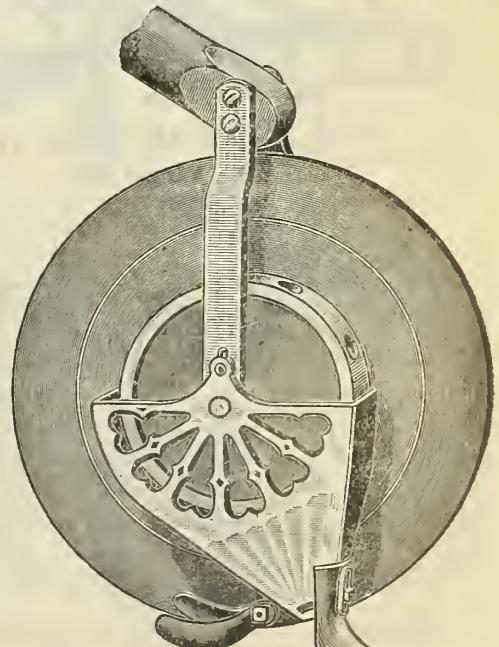
Have You a Hot Bed?

This drill you must have. It's the only machine suited to sow in a hot bed. Sows up close to the sides in straight rows. Sows the smallest packet of seeds as well as a large bulk.

By Using This Drill

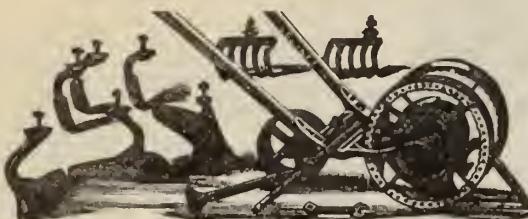
You Save Seed.
You Save Time.
You Stand in an Upright Position.
The Work is Easy.
You Get a Better Stand.
You Get Better Plants.

Price is only
\$1.



“PLANET JR.” Garden Tools for 1899.

“PLANET JR.” No. 1. Combined Drill and Wheel Hoe.



The best known and most popular of all the “Planet Jr.” machines. Satisfactory in every way, both as a drill and as a cultivator. It has a complete set of cultivating tools, and all its operations are rapid, easy, perfect and delightful. When used as a drill, the seed is sown with great regularity and at uniform depth. Hopper holds one quart. Price, \$8.00.

“PLANET JR.” No. 3. Hill Dropping Seed Drill.



This drill will sow in a continuous row, but it will also drop neatly in hills either 4, 6, 8, 12 or 24 inches apart. The hopper holds three quarts. It is changed in a moment from hill dropping to drill work. It has a force feed; sows equally as well whether the hopper is full or contains only a paper of seed, and will not injure delicate seed. Price, \$9.00.

“PLANET JR.” No. 2. Drill.

As a seed drill, pure and simple, it has a large sale.

The sowing cylinder holds two and one-half quarts. It sows in an even, regular stream, whether there is much or little in the hopper. (Award at World's Fair.) Price, \$6.50.

EXTRAS. Tools. In ordering “Extras,” the figure and number should be given besides name of part. Send for repair list.

“PLANET JR.”

Harrow and Cultivator

Price, plain . . . \$5.40
“ with Wheel, 6.65
“ complete, 8.00



“PLANET JR.” No. 11. Double Wheel Hoe.



This tool, first offered in 1898, combines the good points of its predecessors with valuable new ideas. It has 6-inch wheels, which can be set at four different distances apart; the frame can be set at three different heights. The handles are adjustable and, being attached to the arch, are entirely undisturbed in making any changes. The arch is stiff steel unusually high. The design of the frame allowing all changes of tools to be made without removal of the nuts from the standards. A pair of new model rakes and a pair of new style hoes are added to the usual equipment—seventy pairs of tools in all. The whole set shown in the cut goes with the complete tool. The variety of work possible with this machine is incredible. Price, No. 11 complete, \$8.00. No. 11, without rakes, small hoes and leaf lifters, \$6.00. No. 11, with one pair of 6-inch hoes only, \$4.00.

COMPLETE PLANET JUNIOR DESCRIPTIVE CATALOGUE SENT FREE.

“PLANET JR.” No. 4. Combined Hill Dropping Seeder and Single Wheel Hoe, Cultivator, Rake and Plow.



It drops in hills at 4½, 6, 9, 12, 18 and 24 inches apart, and in drills any thickness, handling the smallest paper of seed perfectly and to the last grain, and is simple, durable and very light running. The hopper contains two quarts. The index is accurate, plain, and easily set. The drill is quickly detached and the tool frame substituted. It then becomes the most admirable Single Wheel Hoe of this “Planet Jr.” family. It has a fine garden plow, two elegantly shaped, new style hoes, three delightful cultivating rakes, made new form and specially to fit 6, 9, 12, 14 and 16 inch rows, three cultivator teeth, and a practical leaf guard. Price, “Planet Jr.” No. 4 Drill, complete, \$10.00. “Planet Jr.” No. 4, Plain Drill, \$7.00.

The “PLANET JR.” No. 10. Double Wheel Hoe.



The “Planet Jr.” No. 10, Double Wheel Hoe, will straddle plants 18 inches high, and finish rows 6 to 18 inches apart at one passage. One hoe sets slightly ahead of the other, to prevent dragging out young plants. The new frame permits the changing of the attachments without removing the nuts. All the tools shown in the cut go with the machine for the price; and all the blades are steel, hardened in oil and polished. The wheels are adjustable to make the work shallow or deep, as required, and to adapt the machine to all width rows. The tool is charming in every style and kind of work, the admiration of all who see it in operation. Price, \$6.00.

To accommodate those who have little work but hoeing, we offer the above machine with hoes only, under the name of “Planet Jr.” Plain Double Wheel Hoe, at \$3.50. The other parts can be added at any time and will be found to fit.

“PLANET JR.” No. 15

Single Wheel Hoe, Cultivator, Rake and Plow.



It is a most perfect tool for market gardeners or for private places. The tools are a well shaped plow for plowing, marking out, covering and late cultivation; a pair of neat 4-inch shield hoes just right for hoeing in rows from 6 to 12 inches; also a larger pair for wider work; three cultivator teeth. A set of three rakes, just right for 6, 9, 12 and up to 16 inch rows, and with two arranged side by side, the rakes are just the thing for preparing ground for the seed drill. It has also a practical leaf guard. Price, as in cut, \$6.00.

With one pair of hoes, three cultivator teeth, plow, new pattern 7-tooth rake, and leaf lifter, \$5.00.

With one pair of hoes, three cultivator teeth and leaf lifter, \$4.00.

With one pair of 6-inch hoes, \$3.00.

“PLANET JR.” TOOLS are prepaid everywhere in the U. S. East of the Rocky Mountains.

Planet Jr. No. 9

Horse Hoe and
Cultivator

Price \$7.00



PLANET JR. TOOLS

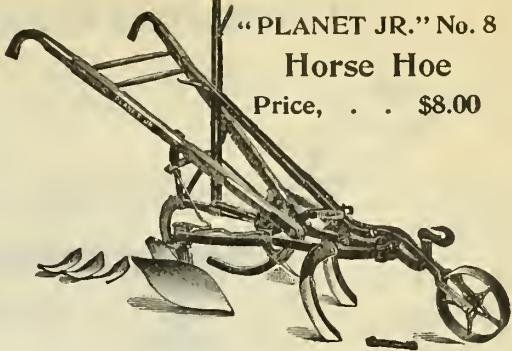
...ARE...

Prepaid Everywhere in
the U. S. East of the
Rocky Mountains.

"PLANET JR." No. 8

Horse Hoe

Price, . . . \$8.00

Complete Planet Junior
Descriptive Catalogue
Sent Free.Improved Reliable Feed Cooker,
Tank Heater and Steam Generator.

GUARANTEED TO DO ALL THAT IS CLAIMED FOR IT.

Ten Claims Why the RELIABLE is the Best Cooker on the Market:

- 1—You can cook more feed with it in the same length of time than can be done with any Cooker on the market.
- 2—You can cook 25 bu. ground corn or feed in 2 hours; it will cook a barrel of ground feed in 30 minutes; it will heat a barrel of water hot enough to scald hogs in 15 minutes.
- 3—It requires less fuel, water and attention to run it than any Cooker on the market.
- 4—It is so simple a child can run it.
- 5—It is the best steam washing machine on the market.

6—It is the only Cooker on the market that only requires 5 to 7 lbs. steam to cook with, and you cannot burn the feed.

7—It is the best machine on the market for ordering tobacco.

8—You can save the price of a Cooker on a bunch of 20 hogs by cooking their feed, as you will save from one-third to one-half the feed.

9—It has taken more diplomas, and has more dairymen, farmers and fancy stock breeders using it than any Cooker on the market.

10—WE GUARANTEE IT TO DO ALL WE CLAIM.

PRICES: { No. 1 Cooker, 12 in. diam., Fire Box 24 in. high, complete, \$40.00; less 1 hose and 1 globe valve, \$38.00.

No. 2 Cooker, 16 in. diam., Fire Box 24 in. high, complete, \$46.00; less 1 hose and 1 globe valve, \$44.50.

Exhibited at Omaha Exposition.

Write for Discounts.

Capital \$50,000.

FLETCHER & COLEMAN,

Importers and Breeders of Percheron and French Coach Horses,

Meadowbrook Farm.

Wayne, Du Page Co., Ill., November 3d, 1898.

Gentlemen: We have given your Cooker a thorough trial and cheerfully pronounce it the most satisfactory in every way, fully meeting every claim you have made for it. It is economical of fuel, easy to operate and does its work very quickly. Besides heating water and steaming feed for 50 horses, we are cooking feed for 300 hogs. We have never seen its equal. Yours truly, FLETCHER & COLEMAN.

TRANS-MISSISSIPPI AND INTERNATIONAL EXPOSITION,
Department of Exhibits.

Omaha, Neb., Nov. 21st, 1898.

Gentlemen: Replying to yours of 16th inst., we hope to be able to forward both diplomas and medals by express within a week or ten days.

Yours truly, E. E. BRUCE, H., Manager Dep't Exhibits.

The Rochester All Iron Planting Dibble.

The most desirable shaped tool and the best finished
of any for the purpose now on the market.

Famous Corn Sheller.

This corn sheller is cheap, simple and effective. It is

fully warranted
against breakage when
properly used.
It has no small
springs or parts to
break loose or get
out of order, and by a little
practice you can
easily shell
one bushel of ears
in about four minutes
or less. It takes but

little room to store or use, and will do the
work of many larger machines.

Price, \$1.18.

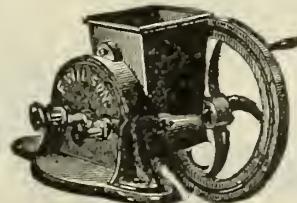


This Dibble

Has now been on the market for a number of years and maintained its popularity. Made of a peculiar pattern which avoids unnecessary weight, and gives abundance of strength, it is far superior in design and finish to the old-fashioned Dibbles. The handle is nicely japanned and the blade polished, giving it a neat and attractive appearance. Each, 25c, by mail postpaid, 40c.

Combine
Your Orders
for Seeds and Tools
and Save
on
Freight.

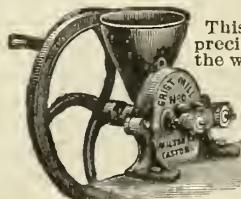
Wilson's Bone Mill.



All poultry owners
should have one of these
mills. One hundred lbs.
of bone will
more than pay for the
mill in the
increased production
of eggs. Weight
of mill, 35 pounds. Made to bolt fast to a
plank or bench. It also grinds shells, grain
and many other substances.

Price, \$1.50.

Wilson's Grist Mill.



This mill is highly appreciated by pioneers of the west and south, and by all farmers who live at a distance from a customary grist mill. The grinding surfaces are very hard, made especially for the purpose designed, and will last for years. Price, \$1.50.

Leonard's Cultivators and Shovel Plows.

We offer here high-grade tools at ROCK BOTTOM PRICES. Never before have such excellent tools been offered so low. We defy competition. JUST NOTICE THE PRICES for the following valuable Garden and Farm Tools.

OUR STEEL BEAM WING SHOVEL PLOW.



Delivered on Cars,

\$2.50

Our Steel Beam Wing Shovel Plow.

This is the latest pattern in shovel plows. The heavy steel beam is a great improvement. The adjustable steel wings can be let out to any desired angle by means of the punched spread rods, having a thumb-screw to operate them. It is sometimes convenient to work these plows with but one wing, which can be readily done, or the two wings can be worked simultaneously at different angles. This is an admirable tool to hill-up potatoes, corn, celery, etc. You can hill-up any crop with it, and in soft ground it makes a first-class potato digger. No farmer or gardener can afford to be without it. Note the low price.

Our Wood Beam Shovel Plow.

Who will do without this valuable tool when it is to be had at such a low price? This favorite shovel plow is one of the most useful tools any farmer or gardener can have. There is no excuse for slaving with a hoe, when ten times the amount of work can be done so easily with a shovel plow. There never yet was such a chance to get a good tool so cheap. Send an order for one of these shovel plows with your seed order and save freight. The workmanship on this shovel plow is right up to the standard; nothing is cheap about it—but the price. It will save ten times its cost in labor before the first of June. The hinge wings are adjustable; can be worked at any angle. It will hill-up anything—cabbages, corn, potatoes and everything that needs hilling. One horse and a boy are all you need to work it.

Price,
Complete,
with
Expanding
Lever
and
Wheel,

\$3.

OUR 14-TOOTH HARROW CULTIVATOR.



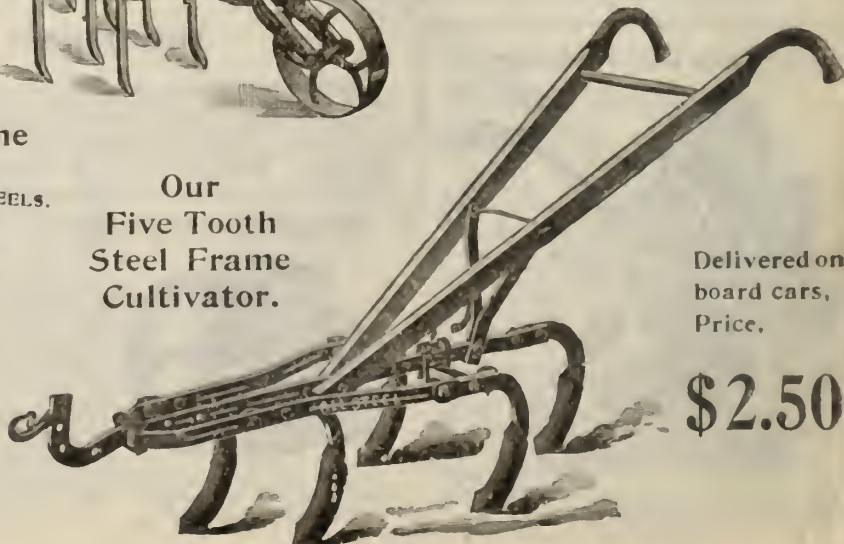
Our Five-Tooth, Steel Frame Cultivator.

NO LEVER.

NO WHEELS.

This tool cannot be equalled for the price anywhere. It has an all-steel frame, steel teeth, and is exact in workmanship and form to all the other cultivators or horse hoes. It is the original horse hoe. The new ones with their valuable attachments are based upon this one, and for just ordinary cultivating they are really no better. Thousands of these plain 5 tooth cultivators are still sold and no tool is better adapted to the uses of the garden or farm than this. Anybody can afford one at our reduced price.

Our Five Tooth Steel Frame Cultivator.



Delivered on
board cars,
Price.

\$2.50

OUR WOOD BEAM WING SHOVEL PLOW.

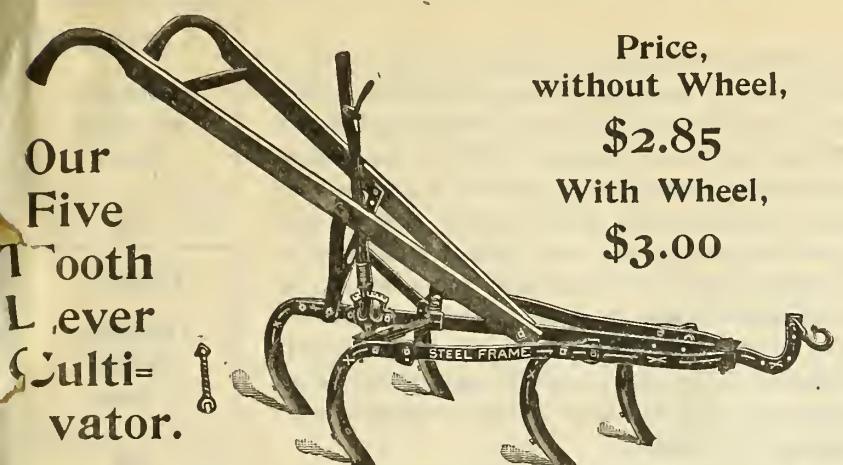
Price, delivered on
Board Cars,

\$2.00

Our 14-Tooth Harrow-Cultivator.

Notice this complete steel frame cultivator harrow. It has an expanding lever and a gauging wheel. The 14 teeth are reversible and adjustable. Every part is put together in first-class shape. No harrow-cultivator on the market to-day is put up better. Hundreds of these harrow-cultivators are in use among the Chicago market gardeners and not a one of them would be willing to do without this tool, if the cost was double what it is. It is the best tool on earth to do away with the weeds when they are small; it roots up every small weed and pulverizes the ground at the same time. It fills a want that no other machine can. We put our price right down to within a shade of actual cost. You cannot beat our price, and you ought to have the tool.

Leonard's Cultivators and Horse Hoes.



Our Five Tooth Lever Cultivator.

Price,
without Wheel,

\$2.85

With Wheel,

\$3.00

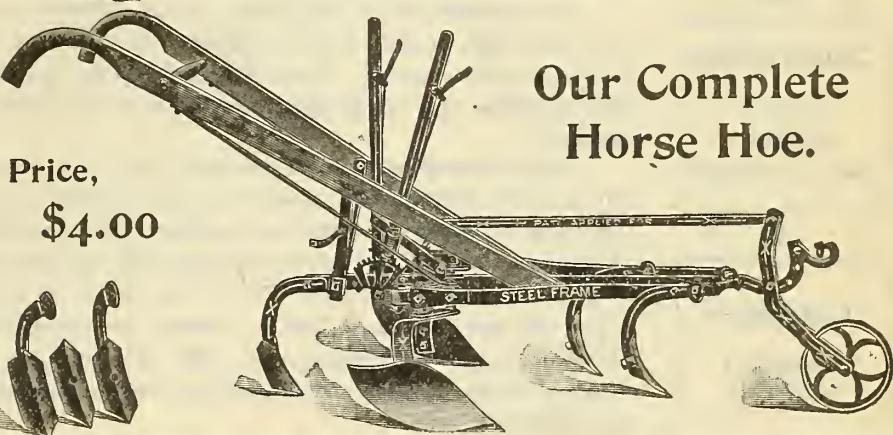
Our Five Tooth Lever Cultivator.

This tool differs from the one on the preceding page in that it has an expanding lever. This lever saves the time spent in adjusting the width by hand. All that is needed to make the width less or more is to move the lever. It is sold with or without wheel. It may also be made into a complete Horse Hoe by adding the hillling blades and back plow. These parts are called Horse Hoe attachments. This tool is right up to date in workmanship and improvements. Nothing better at any price can be offered. You can have the Horse Hoe attachments and a lever wheel for this machine at any time. See below for prices of these extras. The price we name on this tool places it within the reach of all.

Our Complete Horse Hoe.

We offer here at a lower price than ever before quoted the most complete up-to-date Horse Hoe.

The lever wheel and hillling blades can be taken off when a plain cultivator is wanted. It is adaptable to all kinds of farm or garden work. The Hillling blades are of the best steel and are reversible. The teeth are also reversible. The 7-tooth extension and the cultivator sweeps priced below may be added to it at any time.



Our Complete Horse Hoe.

Price,
\$4.00



Cultivator Teeth, Extras, Etc.

Cultivator Teeth.

No. 1. Oval, with bolts.....	each, 15c.	Set of 5, 50c.
No. 2. 3 in. wide, with bolts.....	15c.	" 5, 50c.
No. 3. 2½ in. "	15c.	" 5, 50c.
No. 4. 2 in. "	15c.	" 5, 50c.
No. 5. 1½ in. "	15c.	" 5, 50c.
No. 6. 1¼ in. "	15c.	" 5, 50c.
Harrow Teeth.....	3c.	14, 75c.
7-Tooth Extensions.....	per set, 75c.	
Cultivator Sweeps.	10-inch, 20c. 12-inch, 25c. 14-inch, 25c.	

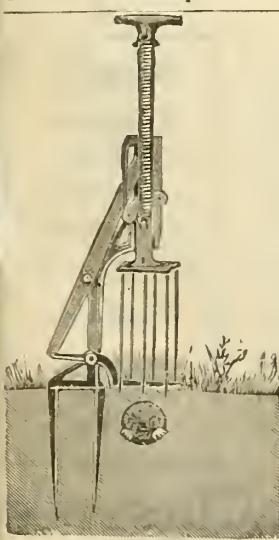
Hilling Blades, Lever Wheels, Etc.

Lever Wheels, with steel standards.....	each, 60c.
Rear Wheel, for regulating depth.....	" 40c.
Best Horse Hoe Attachments.....	per set, 90c.
Common Horse Hoe Attachments.....	" 75c.
Plain Wheels, for cultivators and harrows.....	each, 35c.
Outside Handle Braces.....	per pair, 15c.

We handle all kinds of Plows, Harrows, Hay Rakes, Riding Cultivators, Etc. Write us for prices when in need of these Tools.

Dean's Mole Trap.

We offer here a most important garden and farm requisite. Moles do a great deal of damage in the garden and on the farm. This trap is made of the best material. It is sure in its operation and never fails to get the mole when properly set. The new patent on this trap makes it easy in setting and there is no danger in adjusting it. You simply pull it up and it sets itself. Get rid of those moles by using this trap.

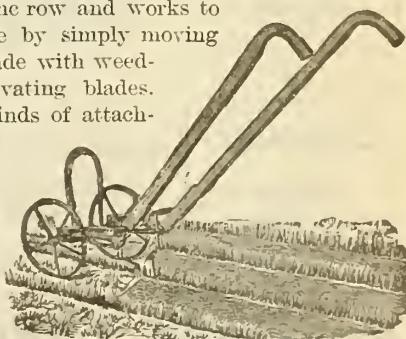


Dean's Mole Trap.

Price, **\$1.00**

The McGee Cultivator.

There are better cultivators than this one on the market now, but it still has many friends, and until recently was the most popular of our hand cultivators. It is made with a high arch, straddles the row and works to or from the vegetable by simply moving the handles. It is made with weeding knives and cultivating blades. It has also different kinds of attachments which come extra. We can supply these extras when wanted. Cultivators with weeding knives and cultivator blades,



Price, **\$3.50**

McGee Cultivator.

The World Cannot Beat this Collection

Beans.
Leonard's
Yellow Eye
Wax.

Beet.
Leonard's
Extra Early
Egyptian.

Cauliflower
Leonard's
Strain,
Early Snowball

Cabbage.
Leonard's
Faultless.

Celery.
Leonard's
Market
Garden.

Corn.
Leonard's
Chicago
Market.

Cucumber.
Leonard's
Avondale
White Spine.

FOR the every day purposes of the garden no similar collection of Vegetable Seeds taken from any seed book will equal this one in genuine merit. Each one of the varieties has a record. Hundreds of market gardeners from practical experience would willingly testify that the fourteen varieties of vegetable seeds named within the squares on this page are each and every one what may be called strictly tip top market garden stocks.

You will notice that each one has the name Leonard attached to it. That is why they are mentioned here and every variety comes honestly by the name. There is considerable buncombe written about seeds, and undoubtedly there are many misnomers in seed catalogues, but the fact is quite firmly established that there are a few stocks evolved typical of the special lines which each reputable seed concern follows up, and to which the name of the concern very appropriately applies.

Our specialty, as is well known, is the market garden trade. We repeat this often enough, but it is necessary in order that our friends get the fact into their minds. These fourteen varieties are, therefore, Vegetable Varieties; they are garden varieties, every day varieties, profitable varieties.

They represent but a small portion of the many vegetable specialties which we list, and are only placed out prominently in order that a trial of them at a specially low price may enlarge our acquaintance with market gardeners and all who plant seeds, until all who want the best seeds are given a chance to get them. We do not know all of you, and hosts of you may not know us. This is a chance for an acquaintance which will certainly prove of profit to you. We will make four separate offers of this collection of seeds, and any one may have either one of the divisions which best suits.

Market Garden Trial Offer.

1 quart each of the Corn, Beans and Peas.
2 ounces each of the Radish and Squash.
1 ounce each of the Beet, Lettuce and Cucumber.
1/2 ounce each of the Cabbage and Celery.
1/4 pound each of the Onion and Parsnip.
1 pkt. each of the Cauliflower and Tomato.
Prepaid to your address, \$2.00.

Suburban Garden Offer.

1/4 pint each of the Corn, Beans and Peas.
1/2 ounce each of the Radish and Squash.
1 pkt. each of the Beet, Lettuce and Cucumber.
1 pkt. each of the Cabbage and Celery.
1 ounce each of the Onion and Parsnip.
1 pkt. each of the Cauliflower and Tomato.
Prepaid to your address, 50c.

Rural Garden Offer.

1 pint each of the Corn, Beans and Peas.
1 ounce each of the Radish and Squash.
1/2 ounce each of the Beet, Lettuce and Cucumber.
1/4 ounce each of the Cabbage and Celery.
1/8 pound each of the Onion and Parsnip.
1 pkt. each of the Cauliflower and Tomato.
Prepaid to your address, \$1.00.

City Garden Offer.

1 pkt. each of the Corn, Beans and Peas.
1 pkt. each of the Radish and Squash.
1 pkt. each of the Beet, Lettuce and Cucumber.
1 pkt. each of the Cabbage and Celery.
1 pkt. each of the Onion and Parsnip.
1 pkt. each of the Cauliflower and Tomato.
Prepaid to your address, 25c.

Lettuce.
Leonard's
St. Louis
Head.

Onion.
Leonard's
Yellow
Globe.

Parsnip.
Leonard's
Avondale
Guernsey.

Peas.
Leonard's
First
and Best.

Radish.
Leonard's
Three
Leaf.

Squash.
Leonard's
Warty
Hubbard.

Tomato.
Leonard's
Early
Market.

Each Variety is the Best of its Class

This collection will make anyone a good garden. The adjustment of the varieties is about as good as can be made within a collection limit. Each one of the varieties is needed by everyone who has a garden. If you avail yourself of our offer you will get a chance to prove the value of good seeds, and you will learn why **LEONARD'S** seeds are so popular with market gardeners and others who plant them. We can assure you that

LEONARD'S TRANSPLANTED VEGETABLE PLANTS.

WELL CROWN AND LIGHTLY PACKED TO CARRY LONG DISTANCES.

The fact that these plants are all grown from choicest stocks of seeds on our own grounds, is sufficient recommendation as to the genuineness of the varieties. Shipped by express only.

CABBAGE—Ready, Early and Second Early.

April 1st; late, June 10th.

50 100 1,000
\$0.40 \$0.75 \$4.50

Extra Early Wakefield.

35 .60 4.50

Henderson's Early Summer.

35 .60 4.50

Fottier's Improved Brunswick.

35 .60 4.50

Premium Flat Dutch.

20 .30 2.00

Improved American Savoy.

25 .40 2.50

Red Drumhead.

25 .40 2.50

CELERI—Ready June 20th.

Dwarf Golden Heart.

35 .60 4.00

Perfection Heartwell.

35 .60 4.00

White Plume.

35 .60 4.00

Turnip Rooted.

35 .60 4.00

CELERI—Ready July 1st.

100 1,000 5,000 10,000

Dwarf Golden Heart.

\$0.40 \$2.25 \$10.00 \$18.00

Glant Golden Heart.

40 2.25 10.00 18.00

Perfection Heartwell.

40 2.25 10.00 18.00

White Plume.

40 2.25 10.00 18.00

New Rose.

40 2.25 10.00 18.00

CAULIFLOWER, Early—Ready May 1st.

Snowball.

50 100 1,000
\$0.40 \$0.75 \$5.00

Extra Early Erfurt.

40 .75 5.00

CAULIFLOWER, Late—Ready June 1st.

Lenorland's.

25 .50 2.50

Extra Early Erfurt.

25 .50 2.50

Autumn Giant.

25 .50 2.50

KOHLRABI—Ready April 10th.

Early White Vienna.

.35 .60 ...

SWEET POTATO—Ready May 15th.

Yellow Nansemond.

35 2.50

ECC PLANT—Ready May 10th.

New York Improved Purple.

Doz. 50 100 1,000
\$0.25 \$0.85 \$1.50 ...

TOMATO—Ready May 10th.

Acme.

.25 .85 1.50 \$5.00

Favorite.

.25 .85 1.50 5.00

Beauty.

.25 .85 1.50 5.00

Mikado, or Turner's Hybrid.

.25 .85 1.50 5.00

Useful Books, Sent Post-paid on Receipt of Price.

	PRICE		PRICE
Gardening for Profit. (Henderson).	\$2.00	The A B C of Potato Culture.	\$.40
Gardening for Pleasure. (Henderson).	2.00	Practical Floriculture. (Henderson).	1.50
Money in the Garden. (Quinn).	1.50	Barry's Fruit Garden.	2.00
Injurious Insects of the Farm and Garden. (Treat).	2.00	Fuller's Grape Culturist.	1.50
Asparagus Culture.	50	Handbook of Plants. (Henderson).	4.00
Cauliflowers and How to Grow Them.	20	Strawberry Culturist.	25
American Farm Book. (Allen).	2.50	Window Flower Garden.	75
Our Lawn of Four Acres.	30	Lawn Planting.	25
Sweet Potato Culture.	60	An Egg Farm.	50
Insects and Insecticides.	1.25	Profit in Poultry.	1.00
The New Onion Culture.	50	Mushrooms, How to Grow Them.	1.50
Onions, How to Raise Them Profitably.	20	Canning and Preserving.	40

Table Showing the Quantity of Seed Usually Sown upon an Acre

AND THE NUMBER OF POUNDS TO THE BUSHEL.

	Lbs. per bus.	Qty. to Acre		Lbs. per bus.	Qty. to Acre
Beans, Dwarf, in drills.	60	1½ bus.	Melon, Musk, in hills.	2 to 3 lbs.	
" Pole, in hills.	60	10 to 12 qts.	" Water, in hills.	4 to 5 lbs.	
Beets, Table, in drills.	6 lbs.		Oats, broadcast.	32 2 to 3 bus.	
" Mangel-Wurzel.	5 lbs.		Onion, in drills.	6 to 8 lbs.	
Broom Corn, in hills.	46	8 to 10 qts.	" for Sets, in drills.	50 lbs.	
Buckwheat.	52	1 bus.	" Sets, in drills.	6 to 12 bus.	
Cabbage, in beds to transplant.		¼ lb.	Parsnip, in drills.	4 to 6 lbs.	
Carrot, in drills.		3 to 4 lbs.	Peas, Wrinkled, in drills.	56 1½ to 2 bus.	
Clover, Red.	60	20 lbs.	Potatoes (cut tubers).	60 8 bus.	
" White.	60	12 to 15 lbs.	Pumpkins, in hills.	28 3 lbs.	
" Alsike.	60	10 lbs.	Radish, in drills.	8 to 10 lbs.	
" Lucerne, or Alfalfa.	60	20 lbs.	Round Peas, in drills.	60 1½ bus.	
Corn, Sweet, in hills.	about 48	8 to 10 qts.	Rye, broadcast.	56 1½ to 2 bus.	
" Field,	56	8 to 10 qts.	Salsify, in drills.	8 to 10 lbs.	
" for Fodder.	56	3 bus.	Spinach, in drills.	15 lbs.	
Cucumber, in hills.	2		Squash (bush varieties), in hills.	4 lbs.	
Grass, Kentucky Blue.	14	3 bus.	" (running varieties), in hills.	3 lbs.	
" Orchard.	14	3 bus.	Sugar Cane.	50 12 lbs.	
" English Rye.	24	3 bus.	Tomato, to transplant.	¼ lb.	
" Red Top.	14	3 bus.	Turnip, broadcast.	58 2 lbs.	
" Timothy.	45	¼ bus.	Turnip, in drills, 1 oz. to 250 ft. of drill.	1½ lbs.	
" Hungarian.	48	1 bus.	Vetches, broadcast.	60 2 to 3 bus.	
" Lawn, Evergreen.	14	4 bus.	Wheat, broadcast.	60 1½ to 2 bus.	

Number of Plants for an Acre of Ground.

DISTANCE APART	NO. OF PLANTS	DISTANCE APART	NO. OF PLANTS	DISTANCE APART	NO. OF PLANTS
3 inches by 3 inches.	696,960	3 feet by 3 feet.	4,840	5 feet by 5 feet.	1,742
4 " " 4 "	392,040	3½ " " 3½ "	3,555	5½ " " 5½ "	1,417
5 " " 6 "	174,240	4 " " 1 foot.	10,890	6 " " 6 "	1,210
9 " " 9 "	77,440	4 " " 2 feet.	5,445	6½ " " 6½ "	1,031
1 foot by 1 foot.	43,560	4 " " 3 "	3,630	7 " " 7 "	881
1½ feet by 1½ feet.	19,360	4 " " 4 "	2,722	8 " " 8 "	680
2 " " 1 foot.	21,780	4½ " " 4½ "	2,151	9 " " 9 "	537
2 " " 2 feet.	10,890	5 " " 1 foot.	8,712	10 " " 10 "	435
2½ " " 2½ ".	6,960	5 " " 2 feet.	4,356	11 " " 11 "	380
3 " " 1 foot.	14,520	5 " " 3 "	2,904	12 " " 12 "	302
3 " " 2 feet.	7,260	5 " " 4 "	2,178		



1899

CATALOGUE

S. F. LEONARD

Seed Merchant

CHICAGO

